

ISSN 0915-6682

WFCC World Data Center on Microorganisms

**GUIDE TO WORLD DATA CENTER  
ON MICROORGANISM**

WITH  
LIST OF CULTURE COLLECTIONS  
IN THE WORLD

**FIRST EDITION**

*with the support of*

**UNEP, UNESCO  
and RIKEN**

*edited by*

**Y. Takishima, J. Shimura, Y. Ugawa and H. Sugawara**  
**RIKEN, Wako, Saitama, Japan**

**1989**

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## Preface

Biological materials are the basis of research and development of biotechnology and life sciences. Culture collections have been, are and will be a reservoir of biological materials. Thanks to the endeavour of our predecessors, we are able to make use of strains of microorganisms preserved in culture collections.

Culture collections in the world organize a federation called, World Federation for Culture Collections (WFCC), which has a data center, World Data Center on Microorganisms (WDC), as its component. WDC is a status of a data center of Microbial Resources Centers Network (MIRCEN) as well.

One of the major roles of WDC is the dissemination of information on culture collections. In fact WDC, sponsored by UNEP and UNESCO, published a World Catalogue of Algae (WCA) with the cooperation of 39 algal collections in 16 countries. This guide, which is on the same line as WCA and is also sponsored by UNEP and UNESCO, is the second publication from WDC after the relocation. In this guide, you are introduced to WDC, a method of accessing databases in WDC and a list of 345 culture collections in the world.

We are grateful to the culture collections which kindly reply to our survey and to Mr. H. Konno who has improved the computer system. We also would like to thank Prof. V. B. D. Skerman and Prof. K. Komagata who kept WDC alive for years.

A special note of appreciation is extended to Dr. Hamdallah Zedan of UNEP and Dr. Edgar J. DaSilva of UNESCO for their sustained interest in the development of the World Data Center on Microorganisms.

December 1989

Hideaki SUGAWARA, Ph. D.  
Acting Director  
WFCC World Data Center on  
Microorganisms  
RIKEN

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- LIST
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# I Guide to WDC

## 1. Introduction

The concept of WDC was proposed in 1966 by Japanese government in a meeting sponsored by UNESCO and realized at University of Queensland in Australia. In 1986, World Federation of Culture Collections (WFCC) relocated WDC to RIKEN\*. It is now the data center of WFCC and Microbial Resources Centers Network (MIRCEN).

WDC publishes directories of culture collections and their holdings to strengthen a network of culture collections and their users. WDC has published the World Catalogue of Algae and is going to publish the World Catalogue of Protozoa sponsored by UNESCO.

Not a few culture collections had dissolved during the past decade. The number of culture collections which are registered in WDC, though, increased from 327 to 345. WDC has maintained databases on these culture collections over 55 countries and their holdings. The current databases help researchers to locate culture collections where they can get strains and their data which they need.

The database can be searched online from many places in the world. Accesses from Brazil, France, Korea, Sweden, West Germany, United Kingdom and USA were successful. In addition to the search, registered users are able to exchange mails among them and WDC.

Culture collections with their specialty in various regions are encouraged to collaborate to constitute an invisible network by use of WDC and other relevant activities. Microbial Strain Data Network (MSDN) develops a database in which the items of properties of microorganisms are accumulated. Japan Federation for Culture Collections (JFCC) published fourth edition of its catalogue which contains 4,982 species (18,164 strains) preserved by the members of JFCC. The Association for Science Cooperation Asia (ASCA) held a seminar, the subject of which was "Information Network on Biological materials - Microbial strain, cell lines and others". We have to proceed in this promising way.

The WDC keeps surveying culture collections to update the contents of the databases. The survey form is shown in the following four pages.

---

\* Komagata, K.: MIRCEN Journal, 1987, 3, 337-342.

# WDC

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## WDC Form for Surveying Culture Collections -Long Form-

### FORM #1

Please print in space underlined and check in parentheses for proper items, unless otherwise noticed. State clearly to avoid unnecessary correspondence.

1. Institution name \_\_\_\_\_

Postal address

Director Dr. Mr. Mrs. Miss. \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_

State/Province \_\_\_\_\_ Postal code \_\_\_\_\_

Country \_\_\_\_\_

TEL number \_\_\_\_\_

TELEX number \_\_\_\_\_

FAX number \_\_\_\_\_

Electric mail number \_\_\_\_\_

2. Collection name

Registration number \_\_\_\_\_

Acronym \_\_\_\_\_

Full name \_\_\_\_\_

Postal address

Correspondent Dr. Mr. Mrs. Miss. \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_

State/Province \_\_\_\_\_ Postal code \_\_\_\_\_

Country \_\_\_\_\_

TEL number \_\_\_\_\_

TELEX number \_\_\_\_\_

FAX number \_\_\_\_\_

Electric mail number \_\_\_\_\_

3. Status of your collection (multiple-choice)

( ) governmental ( ) semi-governmental ( ) private

( ) university ( ) industry

Name(s) of sponsor(s) \_\_\_\_\_

4. Personnel

Director/Head of the Collection \_\_\_\_\_

Curator \_\_\_\_\_, Specialty \_\_\_\_\_

Curator \_\_\_\_\_, Specialty \_\_\_\_\_

Curator \_\_\_\_\_, Specialty \_\_\_\_\_

Curator \_\_\_\_\_, Specialty \_\_\_\_\_

Curator \_\_\_\_\_, Specialty \_\_\_\_\_

Curator \_\_\_\_\_, Specialty \_\_\_\_\_

Curator \_\_\_\_\_, Specialty \_\_\_\_\_

Curator \_\_\_\_\_, Specialty \_\_\_\_\_

Curator \_\_\_\_\_, Specialty \_\_\_\_\_

Number of staffs (give the number of people in corresponding parentheses)

Algology ( ) Bacteriology ( ) Cell biology ( )

Mycology ( ) Protozoology ( ) Virology ( )

Assistants ( ) Others ( )

Computer specialist \_\_\_\_\_



# WDC

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5. Main subjects (multiple-choice)

- |   |   |
|---|---|
| <input type="checkbox"/> Agriculture                      | <input type="checkbox"/> Genetics                 |
| <input type="checkbox"/> Applied microbiology             | <input type="checkbox"/> Genetic engineering      |
| <input type="checkbox"/> Biochemistry                     | <input type="checkbox"/> Immunology               |
| <input type="checkbox"/> Cell biology                     | <input type="checkbox"/> Industrial microbiology  |
| <input type="checkbox"/> Culture and preservation methods | <input type="checkbox"/> Fermentation             |
| <input type="checkbox"/> Developmental biology            | <input type="checkbox"/> Freeze drying            |
| <input type="checkbox"/> Ecology                          | <input type="checkbox"/> Marine biology           |
| <input type="checkbox"/> Environmental protection         | <input type="checkbox"/> Medical microbiology     |
| <input type="checkbox"/> Evolutionary biology             | <input type="checkbox"/> Molecular biology        |
| <input type="checkbox"/> Food science                     | <input type="checkbox"/> Pharmacology             |
| <input type="checkbox"/> Forest microbiology              | <input type="checkbox"/> Physiology               |
| <input type="checkbox"/> General microbiology             | <input type="checkbox"/> Plant pathology          |
|   | <input type="checkbox"/> Systematics and taxonomy |
|   | <input type="checkbox"/> Veterinary               |
- Others \_\_\_\_\_

6. Subcollections

- Name \_\_\_\_\_  
Specialty \_\_\_\_\_  
Name \_\_\_\_\_  
Specialty \_\_\_\_\_  
Name \_\_\_\_\_  
Specialty \_\_\_\_\_

7. Cultures held (give the number of strains/lines in appropriate parentheses)

- |                        |              |              |
|------------------------|--------------|--------------|
| Algae ( )              | Bacteria ( ) | Fungi ( )    |
| Yeasts ( )             | Lichens ( )  | Protozoa ( ) |
| cDNA ( )               | Plasmids ( ) | Vectors ( )  |
| Cell lines: animal ( ) | plant ( )    |              |
| Hybridomas: animal ( ) | plant ( )    |              |
| Viruses: animal ( )    | plant ( )    | bacteria ( ) |
| Others: _____ ( )      | _____ ( )    | _____ ( )    |

8. Availability of cultures (multiple-choice)

- Free  Exchange  Fee  Others \_\_\_\_\_

9. Catalogue

- Publish your own catalogue once every \_\_\_\_\_ years  
 Included in a regional catalogue:

\_\_\_\_\_ published once every \_\_\_\_\_ years

- Planning to publish in 19\_\_\_\_  
 Need help to publish  
 No intention to publish  
 Others \_\_\_\_\_

Is your catalogue computerized?  Yes,  No

10. Availability of Computer in your collection

- Available (PLEASE REFER TO FORM #2 in addition to this FORM #1)  
 Prospected (PLEASE REFER TO FORM #2 in addition to this FORM #1)  
 Unavailable (PLEASE IGNORE FORM #2)

# WDC

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## 11. Services of your collection (multiple-choice)

- Patent deposits, specification \_\_\_\_\_
- Storage service, specification \_\_\_\_\_
- Distribution, specification \_\_\_\_\_
- Identification of
  - Algae, specification \_\_\_\_\_
  - Bacteria, specification \_\_\_\_\_
  - Fungi, specification \_\_\_\_\_
  - Yeasts, specification \_\_\_\_\_
  - Cell lines, specification \_\_\_\_\_
  - Viruses, specification \_\_\_\_\_
  - Others \_\_\_\_\_
- Training in
  - Management of a culture collection
  - Culture and preservation methods
  - Quality control
  - Genetic engineering
  - Karyotyping
  - Use of computer in culture collections
  - Numerical taxonomy and/or probabilistic identification
  - Others \_\_\_\_\_
- Consultation about
  - Patent deposits                       Preservation
  - Propagation                               Shipment regulations
  - Animal quarantine                       Plant quarantine
  - Others \_\_\_\_\_
- Others \_\_\_\_\_

12. I hereby give permission for my name and the information recorded on this form (FORM #1 and FORM #2) to be used by the World Data Center on Microorganisms.

Name \_\_\_\_\_

Signature \_\_\_\_\_, Date \_\_\_\_\_

Thank you very much for your cooperation.

World Data Center on Microorganisms

RIKEN  
2-1 Hirosawa, Wako, Saitama 351-01, JAPAN  
TELEX 2962818 RIKEN J

# WDC

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FORM #2 Electronic Data Processing (Use of computer in culture collections)  
(Please answer if computer(s) is available or prospected)

## 1. Data exchange

1) Exchange of machine readable file with WDC is feasible

Yes

No, for the following reason \_\_\_\_\_  
\_\_\_\_\_

(PLEASE SKIP TO the question '2')

2) Means of data transfer

Coding system:  EBCDIC,  ASCII, Others \_\_\_\_\_

Magnetic tape

Density:  800 BPI,  1600 BPI,  3200 BPI,  6250 BPI,

Others \_\_\_\_\_

Tracks: \_\_\_\_\_ tracks

Floppy disk (multiple choice)

—size— —capacity— —OS—

8", \_\_\_\_\_ KB, \_\_\_\_\_ MB \_\_\_\_\_

5", \_\_\_\_\_ KB, \_\_\_\_\_ MB \_\_\_\_\_

3.5", \_\_\_\_\_ KB, \_\_\_\_\_ MB \_\_\_\_\_

Telecommunication

Name of network \_\_\_\_\_

Address in the network \_\_\_\_\_

Speed in BPS at:  300,  1200,  2400,  4800,

9600,  19200

Others \_\_\_\_\_

2. Hardware in use

main frame (model: \_\_\_\_\_)

minicomputer (model: \_\_\_\_\_)

microcomputer (model: \_\_\_\_\_)

3. Language in use

BASIC,  COBOL,  FORTRAN,  PL/I,  C,  PASCAL

Others \_\_\_\_\_

4. Names of Software—package in use

Word processor: \_\_\_\_\_

Database management system: \_\_\_\_\_

Statistical analysis: \_\_\_\_\_

Telecommunication: \_\_\_\_\_

Others: \_\_\_\_\_

5. Use of computer for (multiple-choice)

General management  Catalogue production

Inventory

Bibliographical information retrieval

Identification  Taxonomy

Others \_\_\_\_\_

6. Is your computer system accessible from WDC (Japan)?

Yes (Please send an application form to WDC)

No

Thank you very much again.

## 2. Access to WDC system

### 2.1 Introduction

WDC system is located in Life Science Research Information Section of RIKEN in Japan and are available 24 hours. With the system, you can exchange mails among yourselves in the world and the center as well, and search databases of:

- culture collections (**CCINFO**)
- their holdings (**STRAIN**)
- published papers in the field of plant tissue and cell cultures (**IRIS**)

WDC plans to implement other biological and medical databases.

To use these services, you have to register with WDC to get your own set of "user-id" and "password" for access to WDC computers. You will be able to register by electric mails, telex or (air) mail. The addresses are:

- 42:CDT0007 on DIALCOM
- r35118@rkna50.riken.go.jp on JUNET
- 2962818 RIKEN J on TELEX
- WDC/RIKEN  
2-1 Hirosawa, Wako, Saitama 351-01, Japan

### 2.2 Equipments required

#### 2.2.1 National and International Networks

Communication may be established with WDC via several national and international telephone lines and/or packet switching system (PSS).

WDC is connected to a Japanese international network "VENUS-P" via a domestic PSS "DDX-P". You will get to know the DTE address of the WDC system when you register to WDC. The DTE address consists of three digits of the country code, one digit of a code for DDX-P, and seven digits called Network Terminal Number which is specific to WDC system. The first four digits as a whole is called a Data Network Identification Code (DNIC).

Packet switching system which are connected to VENUS-P are:

TRANSPAC	SAPONET	BT GOLD	INFOSWITCH	DATAPAC
UNINET	TELENET	TYMNET	AUTONET	DATEX-P
TELEPAC.				

Accordingly service areas of VENUS-P are:

Australia,	Austria	Bahrain	Brazil
Belgium	Canada	Denmark	France
French Antilles	French Guinea	Finland	FRG
Greece	Gabon	Hong Kong	Indonesia
Israel	Ivory Coast	Korea	Luxemburg
Netherlands	Norway	Reunion	Singapore
South Africa	Spain	Sweden	Switzerland
Taiwan	Thailand	USA	
United Kingdom			

The communication route between you and WDC system is:

```

WDC system (X.25)
  |
  DDX-P      :a Japanese domestic PSS by NTT
  |
  VENUS-P    :a Japanese international PSS by KDD
  |
  overseas PSS :governmental and/or private PSS
  |
  domestic PSS and/or
  public telephone networks
  |
  your terminal

```

You have to register to a public telephone networks and/or PSS in your country for the access when you use WDC system. If you are already using an international PSS, you need not register again for the access to WDC.

## 2.2.2 Equipments needed at your place

You have to prepare telephone line with socket, a modem, cable and a terminal at home or in your working place. The modem is a small equipment which converts signals in your terminal and telephone line. MNP modems are recommended.

A terminal is an equipment with which you communicate with WDC system. A set of personal computer and a communication software is the most appropriate equipment for the terminal. You can display, store and print messages from WDC system and your responses to the system on the screen, in disks and on a printer of your set respectively. Any personal computers may function as you want. For example, IBM-PC and Macintosh do well.

These equipments are connected as:

```

personal computer - cable - modem - telephone
  computer (software)                               line
                                                    |
                                                    domestic PSS or
                                                    public telephone
                                                    network

```

With a modern communication software provides you with such functions as:

- auto-dial
- auto-logon
- capture messages and output from WDC system to store in your personal computer
- upload files in your personal computer to WDC system.

No emulation of a specific terminal like VT-100 is necessary for the access.

### 2.2.3 Communication parameters

Communication parameters are to be set as:

- 300 bps or 1200 bps
- half duplex or full duplex
- ASCII (IA5) code
- 7 data bits and 1 parity bit (even parity)  
or  
8 data bits and non-parity

In the networks there works so-called PAD which you will not see. We recommend you to set the parameters of PAD as follows and to ask a specialist of communication how to adjust the parameters.

PAD parameters	1	2	3	4	5	6	7	8	9	10	11
-----	---	---	---	---	---	---	---	---	---	---	---
values	1	1	2	0	1	1	1	0	0	0	3

### 2.3 Login procedures

The first step to call up WDC system depends on your domestic network you use. If you succeed in calling up WDC system, you will get a message "COM" from a PSS. Type RETURN-key several times until you get a "login:" prompt from WDC system.

You will be prompted for your "user-id" by WDC system. Type in your "user-id" and press RETURN-key. In a few seconds WDC system will prompt your "password". Type in your "password" which is not displayed on your terminal to prevent the disclosure of your password to the public.

An example of the above procedure in the above is:

```
COM
<cr>
<cr>

login:user-id<cr>
password:password<cr>
```

In the example the prompts from the system are written in plain texts and the replies by a user are written in bold

letters. The sign "<cr>" in the above example stands for "Press RETURN-key".

If you get a message "Login incorrect", try again from the typing of your "user-id" until you get a main menu from WDC system.

## 2.4 Logout procedure

Select option "x" from the main menu which is explained in the next chapter "WDC services menu".

### 3. WDC system

#### 3.1 Introduction

In this section, you are guided as if you are actually accessing WDC system which is mainly menu-driven. That is, you are asked by the system to select one of the options which are displayed as a menu on the display of your terminal. The menu of WDC system is two levels as follows:

```
Main menu - News menu           - options
           - Mail menu          - options
           - Database search    - commands
           - Profile menu       - options
```

The first menu is for reading news from WDC. Usage of 'Mail menu', 'Database search' and 'Profile menu' will be given from the section 3.2 to the section 3.5. In these sections, bold characters are used to represent conversation between you and WDC system. Your inputs are underlined to be distinguished from the system prompts. The sign <cr> stands for the action of typing RETURN-key. Explanations of the conversation are given in plain texts.

#### 3.2 Main menu

As soon as the communication link between you and WDC system is established, you will see a main menu on your screen.

```
===== | a welcome message
Welcome to WDC (Riken) | from WDC system
=====
```

#### \*\*\* WDC MAIN MENU \*\*\*

```
1. News           |to read news from WDC
2. Mail           |to exchange mails with other users/WDC
3. Data Base Search |to search databases
4. Profile        |to change your password and so on
x. logout         |to exit the system
Please select [1-4,x] : 2<cr> |to select the mailing
                        |system
```

In every menu, you will be prompted by WDC system to select one of the options listed in the menu by the system prompt of 'Please select'. In the option of 'Data Base Search', you will use commands instead of the selection of options from a menu. Usage of the important commands in 'Database search' are given in the section 3.4.

#### 3.3 Mail menu



WDC system will notice you if new mails arrive when you select the option '2' in the main menu. The Mail menu will be displayed after the notice.

N 1 sugawara Sun Dec 10 11:39 11/273 TEST

This notice tells you that a user whose 'user-id' is 'sugawara' sent you a mail of which title is 'TEST' on December 10th.

=== MAIL ===

(the Mail menu

1. Read mail
2. Mail to the WDC
3. Mail to the another user
4. User list
- r. Return to the main menu

Please Select [1-4,r] : 1<cr>

mailx version 2.14 02/28/89 Type ? for help.

"/usr/mail/guest": 1 message 1 new

>N 1 sugawara Sun Dec 10 11:39 11/273 TEST

? ?<cr>

If you do not remember how to read mail, type '?' at the prompt '?' to get a list of commands in the mailing system.

#### mailx commands

type [msglist]	print messages
next	goto and type next message
edit [msglist]	edit messages
from [msglist]	give header lines of messages
delete [msglist]	delete messages
undelete [msglist]	restore deleted messages
save [msglist] file	append messages to file
reply [message]	reply to message, including all recipients
Reply [msglist]	reply to the authors of the messages
preserve [msglist]	preserve messages in mailbox
mail user	mail to specific user
quit	quit, preserving unread messages
xit	quit, preserving all messages
header	print page of active message headers
list	list all commands (no explanations)
top [msglist]	print top 5 lines of messages
z [-]	display next [last] page of 10 headers

[msglist] is optional and specifies messages by number, author, subject or type. The default is the current message.

After the list of commands in the mailing system, the prompt '?' will appear on your display. Type 't<cr>' and you will be able to see the mail.

? t<cr>

Message 1:  
From sugawara Sun Dec 10 11:39:06 1989  
Received: by pfa (4.12/4.7)  
id AA01045; Sun, 10 Dec 89 11:39:04 JST  
Date: Sun, 10 Dec 89 11:39:04 JST  
From: sugawara (Sugawara)  
Message-Id: <8912100239.AA01045@pfa>  
To: guest  
Subject: TEST  
Status: R

This is a mail from SUGAWARA for a test.

? q<cr> |to finish reading mail and to return  
|to the Mail menu

Saved 1 message in /home/wdc/guest/mbox

The above message from the system tells you that the mail was stored in a temporary file of WDC system. You had better download the message into a disk of your personal computer because the temporary file will be erased in a few weeks.

=== MAIL ===

1. Read mail
2. Mail to the WDC
3. Mail to the another user
4. User list
- r. Return to the main menu

Please Select [1-4,r] : 3<cr>

Destination (user) : asca<cr>

|Specify the user-id of  
|a user to whom you  
|want to send your mail.

Subject: TEST<cr>

|Specify the subject of  
|the mail.

Dear Asca<cr>

|Start typing your  
|message.

This is a mail from GUEST<cr>  
for a test.<cr>

Guest<CTRD+D>

|Type CONTROL-key and  
|D-key at the same time  
|to finish your mail

EOT

The message 'EOT' will be displayed if the mail sent successfully.

=== MAIL ===

1. Read mail
2. Mail to the WDC
3. Mail to the another user
4. User list
- r. Return to the main menu

Please Select [1-4,r] : r<cr> |to return to the main  
|menu

### 3.4 Database search

In the current WDC system (December 1989), databases listed in the section 2.1 are available to you. A database on hybridoma and monoclonal antibodies (HDB) is also installed in the system. HDB, however, is not available to the users abroad.

\*\*\* WDC MAIN MENU \*\*\*

1. News  
2. Mail  
3. Data Base Search  
4. Profile  
x. logout  
Please select [1-4,x] : 3<cr>

Please wait for the messages which start with "FAIRS-I" after typing '3<cr>'. It will take a moment to get that message.

=== Database server system. ===

PLEASE LOGON |Please do NOT type any key here.  
|Just wait for the next message  
|from the system.

FAIRS-I (V10/L30) |A welcome message from the  
\* PLEASE SELECT A DATABASE. |retrieval system starts  
\* SELECT <DATABASE>  
\* EXAMPLE: SELECT STRAIN

LISTING OF AVAILABLE DATABASE(S)  
CCINFO HDB IRIS STRAIN

RS>select ccinfo<cr> |to select the database 'ccinfo'

In Database Search System, the prompt from the system is RS> which is an abbreviation of 'retrieval system'.

RS>show element<cr> |to see data items

LISTING OF 59 ELEMENT(S)

REGISTRATION_NUMBER (REG#)	ACRONYM (ACRO)
CORRESPONDENT (CORR)	FULL_NAME (FULL)
INSTITUTION_NAME (INST)	ADDRESS (ADDR)
COUNTRY (COUN)	MAIL_NUMBERS (MAIL)
HOST_DIRECTOR (HDIR)	HOST_ADDRESS (HOST)
STATUS (STAT)	SPONSORS (SPON)
DIRECTOR (DIRE)	CURATORS (CURA)
NUMBER_OF_STAFFS (STA#)	COMPUTER_SPECIALIST (COMP)
MAIN_SUBJECTS (MAINS)	SUBCOLLECTIONS (SUBC)
CULTURE_HELD (CULT)	AVAILABILITY_OF_CULTURES (AVAI)
CATALOGUE (CATA)	COMPUTERIZED_CATALOGUE (CCAT)

COMPUTER_AVAILABILITY(CAVI)	PATENT_DEPOSITS(PATE)
STORAGE_SERVICE(STOR)	DISTRIBUTION(DIST)
IDENTIFICATION(IDEN)	TRAINING(TRAI)
CONSULTATION(CONS)	OTHER_SERVICES(OSER)
DATA_SUBMITTER(SUBM)	DATE_OF_REPLY(DREP)
DATE_OF_ENTRY(DENT)	

The data items in the database 'ccinfo' are taken from the survey form which were shown from page 6 to page 8 in this book. The data items in the FORM #2 are not included in the database 'ccinfo'.

you may use either full name of the data items or the names shortened which are shown in the parentheses in the above list.

RS>search country Japan<cr>

|to search culture collections in Japan  
|no logical formula between country and Japan

MASTER SEARCH IN PROGRESS

14 FOUND. \$1 SAVED. |14 collections were found and  
|the result was stored in a  
|temporary file \$1

RS>sort key(acronym)<cr> |to sort the file \$1 by  
|'acronym'

RS>out el(reg# acro corr)<cr>  
|to display registration number  
|acronym and correspondent of  
|the file \$1

```
#1
REGISTRATION NUMBER
          586
ACRONYM      FRI
CORRESPONDENT Dr. Tomoo Suzuki

#2
REGISTRATION NUMBER
          305
ACRONYM      GIFU
CORRESPONDENT Dr. Eiko Yabuuchi

#3
REGISTRATION NUMBER
          195
ACRONYM      HUT
CORRESPONDENT Dr. Tsutomu Morinaga

#4
REGISTRATION NUMBER
          190
ACRONYM      IAM
CORRESPONDENT Prof. K. Yamasato

#5
REGISTRATION NUMBER
          60
ACRONYM      IFM
```

CORRESPONDENT Professor M.D. Kazuko Nishimura

# 6

REGISTRATION NUMBER  
191  
ACRONYM IFO  
CORRESPONDENT Dr. Teiji Iijima

# 7

REGISTRATION NUMBER  
208  
ACRONYM IID  
CORRESPONDENT Dr. Masanosuke Yoshikawa

# 8

REGISTRATION NUMBER  
567  
ACRONYM JCM  
CORRESPONDENT Dr. T.Nakase

# 9

REGISTRATION NUMBER  
343  
ACRONYM KCC  
CORRESPONDENT Dr. Akio Seino

# 10

REGISTRATION NUMBER  
542  
ACRONYM MR  
CORRESPONDENT Prof. H. Iizuka

# 11

REGISTRATION NUMBER  
67  
ACRONYM NHL  
CORRESPONDENT Dr. S. Udagawa

# 12

REGISTRATION NUMBER  
243  
ACRONYM NIAS  
CORRESPONDENT Dr. T. Ohata

# 13

REGISTRATION NUMBER  
591  
ACRONYM NIES  
CORRESPONDENT Dr. Makoto M. Watanabe

# 14

REGISTRATION NUMBER  
301  
ACRONYM RIMD  
CORRESPONDENT Prof. Toshio Miwatani

RS>out rec(8) el(all)<cr>

|to display all data items of  
|the eighth collection in the  
|file \$1

# 8

REGISTRATION NUMBER  
567  
ACRONYM JCM

CORRESPONDENT Dr. T.Nakase  
 FULL NAME Japan Collection of Microorganisms  
 INSTITUTION NAME The Institute of Physical and Chemical  
 Research  
 ADDRESS Hirosawa  
 Wako-shi  
 Saitama  
 351-01  
 COUNTRY Japan  
 MAIL NUMBERS TEL 0484-62-1111  
 FAX 0484-64-5651  
 HOST DIRECTOR Dr. T.Nakase  
 HOST ADDRESS Hirosawa  
 Wako-shi  
 Saitama  
 351-01  
 Japan  
 TEL 0484-62-1111  
 FAX 0484-64-5651  
 STATUS governmental  
 DIRECTOR Dr. T.Nakase  
 CURATORS Mr. Y. Kosako ()  
 Dr. G. Okada ()  
 Mr. T. Kudoo ()  
 Dr. K. Suzuki ()  
 Dr. M. Suzuki ()  
 MAIN SUBJECTS Agriculture  
 Industrial microbiology  
 General microbiology  
 CULTURE HELD Bacteria (1792)  
 Fungi (263)  
 Yeasts (362)  
 AVAILABILITY OF CULTURES  
 Fee  
 DATE OF REPLY 08/01/89  
 DATE OF ENTRY 01/06/84

RS>sea cult yeast@<cr> |to search yeast(s) collections  
 |The character '@' is used for the  
 |truncation of words.

MASTER SEARCH IN PROGRESS  
 124 FOUND. \$2 SAVED. |124 yeast(s) collections were  
 |found and a file \$2 was created

RS>and cult fungi@<cr> |to search collections which  
 |hold fungi in addition to  
 |yeasts

MASTER SEARCH IN PROGRESS  
 110 FOUND. \$3 SAVED. |110 collections preserve both  
 |yeasts and fungi. 14 collections  
 |in the file \$2 do not hold fungi.

RS>and country Japan<cr> |to search 'yeasts and fungi'  
 |collections in Japan

MASTER SEARCH IN PROGRESS  
 5 FOUND. \$4 SAVED.

RS><u>or country Korea</u><cr> |to search 'yeasts and fungi'  
|collections in Japan or Korea

MASTER SEARCH IN PROGRESS  
7 FOUND. \$5 SAVED.

RS><u>sort key(country)</u><cr> |to sort the file \$5 by country

RS><u>out el(acronym country)</u><cr>  
|to display acronym and country  
|of the collections in the file  
|\$5.

#1  
ACRONYM IAM  
COUNTRY Japan

#2  
ACRONYM HUT  
COUNTRY Japan

#3  
ACRONYM MR  
COUNTRY Japan

#4  
ACRONYM IFO  
COUNTRY Japan

#5  
ACRONYM JCM  
COUNTRY Japan

#6  
ACRONYM KCTC  
COUNTRY Korea

#7  
ACRONYM KFCC  
COUNTRY KOREA

RS><u>explain</u><cr>

The retrieval system is not menu-driven but provides online help/manual. By use of the command '**explain**' you are able to get a list of commands and their functions.

-----  
FAIRS HAS FUNCTIONS TO FIND INFORMATION WHICH SATISFIES THE SPECIFIED SEARCH CONDITION FROM STORED INFORMATION IN DATABASE AND TO DISPLAY THEM.  
FOLLOWING COMMANDS ARE PROVIDED.

AND : TO ADD SEARCH CONDITIONS TO PRECEDING RESULT  
BROWSE : TO DISPLAY INDEX TERMS  
CALL : TO LOAD AND EXECUTE AN USER PROGRAM  
CANCEL : TO CANCEL SAVED SET, SAVED INDEX TERM, CATALOG,  
LINE IN CATALOG OR TO FREE EXIT-ROUTINE  
'CATALOG  
NAME' : TO EXECUTE CATALOG (SIMILAR TO 'EXEC')  
COMMENT : TO DESCRIBE A COMMENT  
CONTROL : TO SET/RESET THE EXECUTION STATUS OF CATALOG  
DEFAULT : TO GIVE DEFAULT VALUE TO KEYWORD PARAMETER IN  
CATALOG

```

DEFINE      : TO PREPARE TO CALL EXIT-ROUTINE DEFINED
EDIT        : TO EDIT ANY COMMANDS IN CATALOG
END         : TO END RS
ENDIF      : TO INDICATE THE END OF NESTED 'IF'
EXEC        : TO EXECUTE CATALOG
EXPLAIN     : TO EXPLAIN COMMAND SYNTAX
FS          : TO CHANGE SCREEN MODE
HELP        : TO HELP CONVERSATION GOING
HISTORY     : TO DISPLAY HISTORY OF CONVERSATION
IF          : TO SET CONDITION TO RUN UNDER COMMANDS IN NESTED
            'IF'
INCLUDE     : TO EXECUTE EXTERNAL CATALOG IN USER'S DATASET
INDEX       : TO DISPLAY THE SET IN FORM OF INDEX LIST
'LINE NUM'  : TO REPLACE/INSERT/DELETE A COMMAND LINE BY 'LINE
            NUM'. ENTER 'EXPLAIN *' FOR MORE EXPLANATION/
            SYNTAX
NOT         : TO REMOVE RECORDS, SATISFY CONDITIONS, FROM
            PRECEDING RESULT
OPTIONS     : TO SET SOME OPTIONS
OR          : TO ADD RECORDS, SATISFY CONDITIONS, TO PRECEDING
            RESULT
OUTPUT      : TO DISPLAY SEARCHED RECORDS
PROFILE     : TO MARK/FREE THE CATALOG WITH PROFILE ATTRIBUTE
            FOR SDI
PROMPT      : TO PROMPT TO EDIT COMMAND LINES
QEND        : TO END A QUERY
QSAVE       : TO REGISTER EXECUTED RETRIEVAL COMMANDS TO
            TEMPORARY CATALOG
RECEIVE     : TO RECEIVE THE RESULT OF SDI VIA THE FILE
RENUMBER    : TO RENUMBER THE LINE NUMBER OF COMMAND LINES IN
            CATALOG
SAVE        : TO SAVE SET, INDEX TERM OR ANY OTHER INFORMATION
SEARCH      : TO SEARCH RECORDS WHICH SATISFY CONDITIONS
SELECT      : TO SELECT DATABASE TO BE PROCESSED
SHOW        : TO SHOW DATABASES, ELEMENTS, OR ANY OTHER SAVED
            INFORMATION
SORT        : TO SORT THE SEARCHED RECORDS UNDER THE KEY
            SPECIFIED
SYNONYM     : TO SET THE USE OF SYNONYM FUNCTION

```

FOR MORE INFORMATION ON EACH COMMAND AND ITS SYNTAX,  
ENTER :EXPLAIN 'COMMAND NAME' .

In the following, commands of SHOW, SEARCH, SORT, AND, OR, OUT and BROWSE are explained in details.

**RS>explain show<cr>**

S H O W COMMAND

```

ALIAS:      SHO
FUNCTION:   TO INDICATE THE INFORMATION ON DATABASE, ITEM NAME IN
            THE DATABASE TO BE SHOWN, SETS, INDEX TERM, OR CATALOG.
SYNTAX:    (1) SHOW DB / DB('DATABASE NAME'/*)
            LIST / LIST(COUNT HISTORY OWNER SUMMARY
            EXPLANATION SUBFILE)
            (2) SHOW ELEMENT / ELEMENT('ITEM NAME') /
            INDEX / OUTPUT / TEXT / NIBONGO
            LIST / LIST(COMMENT HEADER ATTRIBUTE)
            (3) SHOW TERM / TERM('WORD NUMBER') /
            SET / SET('SET NAME') /
            CATALOG / CATALOG('CATALOG NAME'/*)
NOTES:     ANY OF THESE IS INDISPENSABLE.
OPERANDS:  DB/DB('DATABASE NAME'/*)
            -SPECIFIES THE DATABASE TO BE LISTED. THE FOLLOWING WILL
            BE LISTED AS THE SPECIFICATION OF THE SUBOPERAND.
            OMITTED : ALL REFERABLE DATABASE

```



```

'DATABASE NAME' : THE SPECIFIED DATABASE
*               : THE DATABASE CURRENTLY SELECTED
LIST/LIST(COUNT HISTORY OWNER SUMMARY EXPLANATION
SUBFILE)
-SPECIFIES THE INFORMATION TO BE SHOWN. THE FOLLOWING
INFORMATION ON THE DATABASE(S) AND THE SUBFILE(S) WILL
BE SHOWN AS THE SPECIFICATION OF THE SUBOPERAND.
COUNT          : NUMBER OF MASTER RECORDS
HISTORY         : DATE OF INITIALIZATION AND UPDATE
                 LATELY
SUMMARY         : ROUGH EXPLLANATION
EXPLANATION:    : DETAILED EXPLANATION
SUBFILE        : SUBFILE NAME
OMMITED        : ALL OF ABOVE INFORMATION
ELEMENT/ELEMENT('ITEM NAME')
-ALL REFERABLE ELEMENT NAMES WILL BE LISTED UP OUT
OF THE CURRENTLY SELECTED DATABASE WHEN THE
SUBOPERAND IS OMITTED. THE INFORMATION OF ONLY THE
SPECIFIED ITEM ARE TO BE SHOWN WHEN THE 'ITEM NAME'
IS SPECIFIED.
INDEX
-LISTS UP THE ITEM NAME WITH INDEX ATTRIBUTE OUT OF
THE DATABASE CURRENTLY SELECTED.
OUTPUT
-LISTS UP THE ITEM NAME WITH THE STANDARD OUTPUT
ATTRIBUTE OUT OF THE DATABASE CURRENTLY SELECTED.
TEXT
-LISTS UP THE ITEM NAME WITH TEXT ATTRIBUTE OUT OF
THE DATABASE CURRENTLY SELECTED.
LIST/LIST(COMMENT HEADER ATTRIBUTE)
-SPECIFIES THE INFORMATION ON THE ITEM(S) TO BE
SHOWN . IF THE SUBOPERAND IS OMITTED, ALL
INFORMATION WILL BE SHOWN.
TERM/TERM('WORD NUMBER')
-LISTS UP THE SAVED INDEX TERM WHEN THE SUBOPERAND
IS OMITTED. INDEX TERM INFORMATION OF THE SPECIFIED
WORD NUMBER IS INDICATED WHEN THE 'WORD NUMBER' IS
SPECIFIED.
SET/SET('SET NAME')
-LISTS UP THE SAVED SETS WHEN THE SUBOPERAND IS
OMITTED, OR INDICATES THE RETRIEVAL PROGRESS OF THE
SPECIFIED SET WHEN THE 'SET NAME' IS SPECIFIED.
CATALOG/CATALOG('CATALOG NAME'/*)
-LISTS UP THE CATALOG NAME OF THE PRESENT USER WHEN
THE SUBOPERAND IS OMITTED, OR INDICATES THE
CONTENTS OF THE SPECIFIED CATALOG WHEN THE 'CATALOG
NAME' IS SPECIFIED. THE CONTENTS OF THE CATALOG ON
THE WORK FILE ARE INDICATED WHEN * IS SPECIFIED.

```

RS>explain search<cr>

S E A R C H COMMAND

```

ALIAS:      SEA
FUNCTION:   TO SEARCH THE RECORDS, FILLING THE CONDITIONS WRITTEN
            IN A LOGICAL EXPRESSION, IN THE DATABASE SELECTED, AND
            THEREBY CREATE THE CURRENT SET.
SYNTAX:    SEARCH 'LOGICAL EXPRESSION'
OPERANDS:  'LOGICAL EXPRESSION'
            -IS A 'RELATIONAL EXPRESSION' OR A 'SET NAME', OR
            THE EXPRESSION WHICH ASSOCIATES THEM BY LOGICAL
            OPERATOR OR PARENTHESSES.
            'RELATIONAL EXPRESSION'
            -SPECIFIES THE FOLLOWING.
            'ITEM NAME' 'RELATIONAL OPERATOR' 'CHARACTER
            STRING'
            OR
            'SENTENCE RETRIEVAL STRING' INSTEAD OF 'CHARACTER
            STRING' 'ITEM NAME'

```

-NAME OF ITEM TO BE RETRIEVED. ADD '.M' TO THE ITEM NAME, ESPECIALLY FOR THE DATA ON THE MASTER FILE. WHEN THE NAME OF ITEM IS IDENTICAL WITH LOGICAL OPERATOR, SENTENCE OPERATOR OR RELATIONAL OPERATOR IN THE FORMAT, IT MUST BE ATTACHED WITH QUOTATION MARKS.

'RELATIONAL OPERATOR'  
 -SPECIFIES THE RELATIONAL CONDITIONS AS FOLLOWS.  
 EQ/= /NE /-=/GT />/GE />=/LT /</LE /<=/HAS /HASNT

'CHARACTER STRING'  
 -SPECIFIES THE VALUE, WHICH SHOULD BE COMPARED, BY CHARACTER STRING. @ CAN BE USED AS THE INDICATOR THAT A PART OF THE VALUE IS TO BE TRUNCATED. IN THIS CASE, FOLLOWING FORMS CAN BE ALLOWED:  
 CHARACTER STRING / CHARACTER STRING @ / CHARACTER STRING @ CHARACTER STRING / @ CHARACTER STRING / @ CHARACTER STRING / @ CHARACTER STRING @. SOME '?'S CAN BE SPECIFIED INSTEAD OF @. THE NUMBER OF '?'S INDICATES THAT OF TRUNCATED CHARACTERS. WORD NUMBER MAY BE SPECIFIED INSTEAD OF CHARACTER STRING. CHARACTER STRING SHOULD BE IDENTICAL WITH LOGICAL OPERATOR, SENTENCE OPERATOR, OR RELATIONAL OPERATOR IN THE FORMAT, OR IF IT CONTAINS DELIMITER IT SHOULD BE ATTACHED WITH QUOTATION MARKS.

'LOGICAL OPERATOR'  
 -AND / NOT / OR

'SENTENCE RETRIEVAL STRING'  
 -SPECIFIES THE WORDS / STRINGS ASSOCIATED BY 'SENTENCE OPERATOR' SHOWN BELOW.  
 ADJ / WITH / SAME.

'SET NAME'  
 -SPECIFIES THE SET SAVED BY SAVE COMMAND TO USE IT AS PART OF A LOGICAL EXPRESSION.

**RS>explain sort<cr>**

**S O R T    C O M M A N D**

ALIAS:        SOR  
 FUNCTION: TO SORT OUT THE RETRIEVED SET BY THE SPECIFIED ITEM NAME. THE NUMBER OF THE ITEM NAME THAT CAN BE SPECIFIED BY THE SORT KEY IS UP TO 12.  
               (JEF OPTION) THE ITEM WHICH SPECIFIED AS KANJI SORT MUST BE COUNT BY 2.  
 SYNTAX:     SORT SET ('SET NAME'/\*)  
                                   KEY('ITEM NAME LIST')  
 DEFAULTS: SET(\*) KEY('ITEM NAME OF RECORD KEY')  
 OPERANDS: SET('SET NAME'/\*)  
               -SPECIFIES THE 'SET NAME' WHEN THE SAVED SET ARE SORTED, OR SPECIFIES \* WHEN THE CURRENT SET ARE SORTED.  
 KEY('ITEM NAME LIST')  
               -SPECIFIES THE ITEM NAME TO BECOME THE SORT KEY. THE SEQUENCE OF SORT KEY IS BASED ON THE SEQUENCE OF THE SPECIFIED ITEM NAME. THE BACKWARD SEQUENCE IS SPECIFIED FOR THE SORT KEY IF THE ITEM NAME IS ATTACHED WITH .D , OR THE FORWARD SEQUENCE IF IT IS OMITTED.  
               (JEF OPTION) WHEN THE ITEM NAME IS ATTACHED WITH '.' FOLLOWED BY LIST OF 'O','K','B' OR 'S', IT MEANS KANJI SORT SEQUENCE.

**RS>explain and<cr>**

**A N D    C O M M A N D**

FUNCTION: EXTRACTS THE RECORDS FILLING THE CONDITIONS WRITTEN IN A LOGICAL EXPRESSION FROM THE CURRENT SET, AND MAKE NEW CURRENT SET.

SYNTAX: AND 'LOGICAL EXPRESSION'  
 NOTES: INDISPENSABLE 'LOGICAL EXPRESSION'  
 OPERANDS: 'LOGICAL EXPRESSION'  
           -IS A 'RELATIONAL EXPRESSION' OR A 'SET NAME', OR  
           THE EXPRESSION WHICH ASSOCIATES THEM BY LOGICAL  
           OPERATOR OR PARENTHESES.  
 'RELATIONAL EXPRESSION'  
           -SPECIFIES THE FOLLOWING.  
           'ITEM NAME' 'RELATIONAL OPERATOR' 'CHARACTER  
           STRING'  
           OR  
           'SENTENCE RETRIEVAL STRING' INSTEAD OF 'CHARACTER  
           STRING' 'ITEM NAME'  
           -NAME OF ITEM TO BE RETRIEVED. ADD '.M' TO THE ITEM  
           NAME, ESPECIALLY FOR THE DATA ON THE MASTER FILE.  
           WHEN THE NAME OF ITEM IS IDENTICAL WITH LOGICAL  
           OPERATOR, SENTENCE OPERATOR OR RELATIONAL OPERATOR  
           IN THE FORMAT, IT MUST BE ATTACHED WITH QUOTATION  
           MARKS.  
 'RELATIONAL OPERATOR'  
           -SPECIFIES THE RELATIONAL CONDITIONS AS FOLLOWS.  
           EQ/= /NE/-- /GT/> /GE/>= /LT/< /LE/<= /BAS/HASNT  
 'CHARACTER STRING'  
           -SPECIFIES THE VALUE, WHICH SHOULD BE COMPARED,  
           BY CHARACTER STRING. @ CAN BE USED AS THE INDICATOR  
           THAT A PART OF THE VALUE IS TO BE TRUNCATED. IN  
           THIS CASE, FOLLOWING FORMS CAN BE ALLOWED:  
           CHARACTER STRING/CHARACTER STRING@/CHARACTER  
           STRING@CHARACTER STRING/@CHARACTER STRING/  
           @CHARACTER STRING@. SOME '?'S CAN BE SPECIFIED  
           INSTEAD OF @. THE NUMBER OF '?'S INDICATES THAT OF  
           TRUNCATED CHARACTERS.WORD NUMBER MAY BE SPECIFIED  
           INSTEAD OF CHARACTER STRING. CHARACTER STRING  
           SHOULD BE IDENTICAL WITH LOGICAL OPERATOR, SENTENCE  
           OPERATOR, OR RELATIONAL OPERATOR IN THE FORMAT, OR  
           IF IT CONTAINS DELIMITER IT SHOULD BE ATTACHED WITH  
           QUOTATION MARKS.  
 'LOGICAL OPERATOR'  
           -AND/NOT/OR  
 'SENTENCE RETRIEVAL STRING'  
           -SPECIFIES THE WORDS/STRINGS ASSOCIATED BY  
           'SENTENCE OPERATOR' SHOWN BELOW.  
           ADJ/WITH/SAME.  
 'SET NAME'  
           -SPECIFIES THE SET SAVED BY SAVE COMMAND TO USE IT  
           AS PART OF A LOGICAL EXPRESSION.

**RS>explain\_or<cr>**

O R COMMAND

FUNCTION: TO ADD RECORDS, WHICH SATISFY THE CONDITIONS DESCRIBED  
 IN 'LOGICAL EXPRESSION', TO THE CURRENT SET.  
 SYNTAX: OR 'LOGICAL EXPRESSION'  
 OPERANDS: 'LOGICAL EXPRESSION'  
           -IS A 'RELATIONAL EXPRESSION' OR A 'SET NAME', OR  
           THE EXPRESSION WHICH ASSOCIATES THEM BY LOGICAL  
           OPERATOR OR PARENTHESES.  
 'RELATIONAL EXPRESSION'  
           -SPECIFIES THE FOLLOWING.  
           'ITEM NAME' 'RELATIONAL OPERATOR' 'CHARACTER  
           STRING'  
           OR  
           'SENTENCE RETRIEVAL STRING' INSTEAD OF 'CHARACTER  
           STRING'

|  
|  
|  
|Please refer to the explanation in 'and'

RS>explain out<cr>

O U T P U T    C O M M A N D

ALIAS:        OUT

FUNCTION: TO EDIT AND OUTPUT THE SET OBTAINED BY RETRIEVAL AND THE CONTENTS OF RECORD IN THE DATABASE. WHEN THE DEVICE FOR OUTPUT IS NOT SPECIFIED, THE OUTPUT IS MADE TO ANY STANDARD DEVICE FOR OUTPUT.

SYNTAX:    OUTPUT        SET('SET NAME'/\*)/ALL  
                          ELEMENT('ITEM NAME LIST'/\*)/ALL  
                          EDIT/NOEDIT  
                          SYSOUT/SYSOUT('CLASS NAME')/DSNAME('DATA SET NAME')/DDNAME('DD NAME')  
                          OVERLAY/ADD  
                          PAGE  
                          LINESIZE('LINE SIZE')  
                          POINT('CHARACTER SIZE')  
                          RECORD('RECORD NO.1'/'RECORD NO.1 : RECORD NO.2' ;..)  
                          HEADER/NOHEADER

NOTE:        'POINT' IS IGNORED, IF JEF OPTION IS NOT INSTALLED.

DEFAULTS: SET(\*) ELEMENT(\*) EDIT OVERLAY

OPERANDS: SET('SET NAME'/\*)

              -WRITES THE NAME OF SET TO BE OUTPUT. WHEN \* IS SPECIFIED, THIS IS REGARDED AS CURRENT SET.

ALL

              -WRITES ALL RECORDS OF THE DATABASE SELECTED WHEN THEY MUST BE ALL OUTPUT.

ELEMENT('ITEM NAME LIST'/\*)/ALL

              -WRITES THE NAME OF THE ITEM NAMES TO BE OUTPUT. WHEN \* IS SPECIFIED, ALL STANDARD OUTPUT ITEMS ARE REGARDED TO BE SPECIFIED. WHEN ALL, ALL OF ITEMS.

EDIT

              -WRITES EACH RECORD WHEN EDITING AND OUTPUTTING IT IN THE PRINT FORMAT.

NOEDIT

              -WRITES RECORDS WHEN THEY MUST BE EDITED AND OUTPUT IN THE EVC FORMAT. THE DATA SET MUST BE SPECIFIED BY DSNAME OR DDNAME OPERAND.

SYSOUT/SYSOUT('CLASS NAME')

              -WRITES THE SYSOUT DATA SET SPECIFIED BY FAIRS AS DEVICE FOR OUTPUT. WHEN THE CLASS NAME IS OMITTED, THIS IS REGARDED AS THE STANDARD CLASS.

DSNAME('DATA SET NAME')

              -DESCRIBES THE USER DATA SET TO WHICH DATA MUST BE OUTPUT. NO DATA SETS NEED BE ASSIGNED, BUT MUST BE CATALOGED.

DDNAME('DD NAME')

              -DESCRIBES THE DATA SET ASSIGNED BY USER AS DEVICE FOR OUTPUT, DDNAME MUST BE THE ONE ASSIGNED.

OVERLAY

              -INDICATES TO STORE THE OUTPUT DATA FROM THE HEAD OF THE DATA SET. THIS CAN BE SPECIFIED ONLY WHEN DATA SET IS GIVEN BY 'DSNAME' OR 'DDNAME' OPERAND.

ADD

              -INDICATES THAT ADDITIONAL OUTPUT DATA AREA WRITTEN IN THE DATA SET. THIS CAN BE SPECIFIED ONLY WHEN DATA SET IS GIVEN BY 'DSNAME' OR 'DDNAME' OPERAND.

PAGE

              -INDICATES TO CHANGE PAGE BEFORE EVERY RECORD IS OUTPUT TO SYSOUT DATA SET OR USER'S DATA SET.

LINESIZE('LINE SIZE')

              -SPECIFIES THE LINE SIZE WITHIN 55-136 OF ONE LINE WHEN THE DATA IS TO BE OUTPUT TO SYSOUT DATA SET OR USER'S DATASET.

POINT('CHARACTER SIZE')

              -(JEF OPTION)

SPECIFIES THE CHARACTER(9 POINT OR 12 POINT) OF JAPANESE DATA TO BE OUTPUT THROUGH NLP.  
RECORD('RECORD NO.1'/'RECORD NO.1 ; RECORD NO.2' ;...)  
-SPECIFIED THE MASTER RECORD NO. TO BE OUTPUT. THE MASTER RECORD IS TAKEN A RUNNING NUMBER IN THE SET.  
HEADER  
-SPECIFIES TO OUTPUT THE HEAD PAGE.  
NOHEADER  
-SPECIFIES NOT TO OUTPUT THE HEAD PAGE.

RS>explain browse<cr>

B R O W S E COMMAND

ALIAS: BRO  
FUNCTION: INDICATES THE INDEX TERMS EXISTED IN DATABASE AND THE NUMBER OF RECORDS, WHICH CONTAIN THE INDEX TERMS ABOVE.  
SYNTAX: BROWSE 'ITEM NAME'  
'RELATIONAL OPERATOR'  
'CHARACTER STRING'  
SPAN('NUMBER')/FORWARD('NUMBER')/  
BACKWARD('NUMBER')  
LONG/SHORT  
NOTES: INDISPENSABLE 'ITEM NAME' 'RELATIONAL OPERATOR'  
'CHARACTER STRING'  
OPERANDS: 'ITEM NAME'  
-SPECIFIES THE ITEM NAME (ELEMENT NAME) TO BE INDICATED.  
'RELATIONAL OPERATOR'  
-SPECIFIES THE CONDITIONS WHICH SHOULD BE FILLED BY THE VALUE OF 'ITEM NAME' BY:  
EQ/= /GT/> /GE/>= /LT/< /LE/<=  
'CHARACTER STRING'  
-SPECIFIES THE CHARACTER STRING (OR WORD NUMBER), WHICH SERVES AS THE MAIN INDICATION. @ CAN BE USED IN CHARACTER STRING. SOME ?'S CAN BE SPECIFIED INSTEAD OF @. THE NUMBER OF ?'S INDICATES THAT OF TRUNCATED CHARACTERS.  
SPAN('NUMBER')/FORWARD('NUMBER')/BACKWARD('NUMBER')  
-DEFINES THE NUMBER OF INDICATIONS WITH THE SPECIFIED VALUE AS MAIN.  
FORWARD: INDICATE IN ASCENDING ORDER  
BACKWARD: INDICATE IN DESCENDING ORDER  
SPAN: INDICATE THE TERM AROUND THE SPECIFIED ONE LONG/SHORT  
-(JEF OPTION)  
DISPLAY THE VALUES IN THE NIBONGO KEYWORD INVERTED ITEM.

The command 'browse' is convenient to scan data in a database. If you want to remember a collections whose acronym starts with 'j', type 'browse acro j'.

RS>browse acro j<cr>

BROWSING OF ELEMENT 'ACRONYM'		
W-NO.	RECORDS	VALUE
#00169	1	ITB
#00170	1	ITCC
#00171	1	ITD
#00172	1	ITDI
#00173	1	ITH
(*)#00174	1	JCM
#00175	1	JCT
#00176	1	JII

```
#00177          1 JVI
#00178          1 KCC
#00179          1 KCTC
```

You might want to review your conversation with WDC system after you repeat 'search'. A command 'history' is used for the review.

RS>history<cr>

YOUR CONVERSATIONAL PROCESS

```
*SEL CCINFO
  PA(X XXXX X)
*SHOW ELEMENT
```

```
*SEA COUN JAPAN
```

```
MASTER SEARCH IN PROGRESS
14 FOUND.  $1 SAVED.
*SORT KEY(ACRONYM)
```

```
*OUT EL(REG# ACRO CORR)
```

```
*OUT REC(8) EL(ALL)
```

```
*SEA CULT YEAST@
```

```
MASTER SEARCH IN PROGRESS
124 FOUND.  $2 SAVED.
*AND CULT FUNGIE@
```

```
MASTER SEARCH IN PROGRESS
110 FOUND.  $3 SAVED.
*AND COUNTRY JAPAN
```

```
MASTER SEARCH IN PROGRESS
5 FOUND.  $4 SAVED.
*OR COUNTRY KOREA
```

```
MASTER SEARCH IN PROGRESS
7 FOUND.  $5 SAVED.
*SORT KEY(COUNTRY)
```

```
*OUT EL(ACRONYM COUNTRY)
```

```
*EXPLAIN
```

```
*EXPLAIN SHOW
```

```
*EXPLAIN SEARCH
```

```
*EXPLAIN SORT
```

```
*EXPLAIN AND
```

```
*EXPLAIN OR
```

```
*EXPLAIN OUT
```

```
*EXPLIAN BROWSE
```

```
*BROWSE ACRO J
```

\*HISTORY

The database 'ccinfo' contains information on institutions. You have to switch the database from 'ccinfo' to 'strain' if you want to locate specific strains.

RS>sel strain<cr> |to change the database from  
|'ccinfo' to 'strain'

RS>sho el<cr>

LISTING OF 7 ELEMENT(S)

SERIAL_NUMBER(SER#)	SCIENTIFIC_NAME(NAME)
REGISTRATION_NUMBER(REG#)	SEE ALSO
ACCESSION_NUMBER(ACC#)	DESCRIPTION(DESC)
KEYWORD(KW)	

In the current 'strain' database, the data items of ACC#, DESC and KW are empty.

RS>sea name Saccharo<cr>  
|to search data on the strains whose  
|scientific name start with  
|'Saccharo'

1074 FOUND. \$1 SAVED.

RS>sea name lactobacillus<cr>  
|to search data on the strains  
|whose genus name is Lactobacillus

919 FOUND. \$2 SAVED.

RS>out rec(1:10)<cr> |to display data from the first  
|strain to the tenth strain in the  
|file \$2

#1  
Scientific name Lactobacillus acidophilus  
Registration number 1

#2  
Scientific name Lactobacillus acidophilus  
Registration number 3

#3  
Scientific name Lactobacillus acidophilus  
Registration number 10

#4

Scientific name           Lactobacillus acidophilus  
Registration number       13

#5  
Scientific name           Lactobacillus acidophilus  
Registration number       21

#6  
Scientific name           Lactobacillus acidophilus  
Registration number       29

#7  
Scientific name           Lactobacillus acidophilus  
Registration number       32

#8  
Scientific name           Lactobacillus acidophilus  
Registration number       37

#9  
Scientific name           Lactobacillus acidophilus  
Registration number       45

#10  
Scientific name           Lactobacillus acidophilus  
Registration number       59

RS>sel ccinfo<cr>           |to go back to 'ccinfo' to  
                                  |locate the collections which  
                                  |were retrieved in 'strain'

RS>sea reg# 1 or 3 or 10 or 13 or 21  
or 29 or 32 or 37 or 45 or 59<cr>  
                                  |This query was typed in a line.

MASTER SEARCH IN PROGRESS  
10 FOUND.   \$1 SAVED.

You may contact culture collections which are in your  
country.

RS>sort key(country)<cr>

RS>out el(country)<cr>

#1



```

COUNTRY      Argentina
# 2
COUNTRY      Australia
# 3
COUNTRY      Australia
# 4
COUNTRY      Australia
# 5
COUNTRY      Guatemala
# 6
COUNTRY      India
# 7
COUNTRY      Indonesia
# 8
COUNTRY      Republic of China
# 9
COUNTRY      Sweden
# 10
COUNTRY      USA

```

```

RS><u>sel strain</u><cr>      |to return to 'strain' to search
                             |cell lines whose name is 'hel' and
                             |something

```

```

RS><u>bro name hel</u><cr>   |to browse the names which start
                             |with 'hel'

```

```

BROWSING OF ELEMENT 'NAME'
W-NO.      RECORDS  VALUE
#00191      2  HEILBRON
#00192      1  HEIMBACHAE
#00193      7  HEIMI
#00194     15  HEIMII
#00195      2  HEIMIODORA
(*)#00196    5  HELA
#00197      4  HELCOGENES
#00198      4  HELENAE
#00199      5  HELECOCCUM
#00200      1  HELGOLANDINIUM
#00201     13  HELIANTHI

```

```

RS><u>sea name hela</u><cr>

```

```

5 FOUND. $1 SAVED.

```

```

RS><u>out</u><cr>

```

```

#1
Scientific name      Human amnion (Hela markers)
Registration number  1

```

#2  
Scientific name Human epidermoid carcinoma (Hela markers)  
Registration number 1

#3  
Scientific name Human intestine, (Hela markers)  
Registration number 1

#4  
Scientific name Human liver, (Hela markers)  
Registration number 1

#5  
Scientific name Human oral carcinoma (Hela markers)  
Registration number 1

You have to change the database from 'strain' to 'ccinfo' to find where the culture collections whose registration number is '1'.

RS>sel ccinfo<cr>

RS>sea reg# 1<cr>

MASTER SEARCH IN PROGRESS  
1 FOUND. \$1 SAVED.

RS>out el(corr full address country)<cr>

)to display only correspondent, full name of the  
collection, address and country

#1  
CORRESPONDENT Mrs. Bobbie A. Brandon  
FULL NAME American Type Culture Collection  
ADDRESS 12301 Parklawn Drive  
Rockville  
Maryland  
20852  
COUNTRY USA

In WDC system you may search the database 'iris' in addition to the databases of 'ccinfo' and 'strain'. In the database 'iris' published papers in the field of plant tissue and cell cultures can be retrieved.

In the following example, papers on tobacco whose scientific name is SOL.NIC.TAB in short are searched first. Then the papers whose keywords include the keyword number 77 are selected. A list of keywords and their numbers in IRIS is shown after this section.

RS>sel iris<cr>

RS>show el<cr>

LISTING OF 12 ELEMENT(S)

ID	Yymm	CODER
TITLE	AUTHOR(A)	JOURNAL
NO_SP	SCIENTIFIC_NAME(S)	NUMBER(N)
OTHERS(O)	YEAR(Y)	COMMENTS

RS>sea s 'sol.nic.tab'<cr>

883 FOUND. \$1 SAVED.

RS>or o tobacco<cr>

960 FOUND. \$2 SAVED.

RS>and n 77<cr>

82 FOUND. \$3 SAVED. |The keyword # 77 is 'metabolism-  
|nucleic acid and related compounds'

RS>out rec(1) el(all)<cr>

#1

ID	00019
Yymm	7903
CODER	TN
TITLE	A PROCEDURE FOR THE PURIFICATION OF DNA FROM TOBACCO CELL CULTURES AND ISOLATION OF TOBACCO SINGLE-COPY DNA
AUTHOR	R.D.LOCY R.H.BALL
JOURNAL	CAN.J.BOT., 56, 1453-1457, 1978
NO_SP	01
SCIENTIFIC_NAME	SOL.NIC.TAB
NUMBER	6 115 125 77
OTHERS	STEM AND RHIZOME-PITE CULTURES-CALLUS CULTURE SUBJECTS-OTHERS METABOLISM-NUCLEIC ACID AND RELATED COMPOUNDS J034 CV.WISCONSIN-38 TOBACCO
YEAR	1978

Let me introduce another database 'HDB' in WDC system at the end of this section. Monoclonal antibodies against 'human growth factor' are searched in the example.

RS>sel hdb<cr>

RS>show el<cr>

LISTING OF 26 ELEMENT(S)

AN	AU	AD	SO	DI	DE	IM	RM	DO	IP	PR	PD	AS	RE	XR
NR	RT	AP	AV											
AB	LI	SD	LD	EI	CI	KW								

RS>sea re human<cr>  
4329 FOUND. \$1 SAVED.

RS>and re growth<cr>  
34 FOUND. \$2 SAVED.

RS>and re factor<cr>  
34 FOUND. \$3 SAVED.

RS>out rec(1)<cr>

```
#1
AN 563
AU Baxter RC Axiak S Raison RL
AD Department of Endocrinology
  Royal Prince Alfred Hospital
  Sydney, NSW 2050 Australia
SO J Clin Endocrinol Metab 1982 Feb;54(2):474-6
DI P>Australian Monoclonal Development Pty. Ltd.: 65 Dickson
  Ave.;
  Artarmon NSW 2064 Australia; tel (02) 439-7555; telex 73396
DE C>3D1/2/1 ;developer P>2HH01 ;distributor C>3D-1/2
  ;distributor
IM G>Homo sapiens CN>human T>plasma SN>somatomedin C a.CC>protein
RM ;in vivo ;injection ;multiple doses ;adjuvant
DO G>Mus musculus CN>mouse S>BALB/c O>spleen
IP CD>NS-1
PR ;fusion
PD ;IgG3
AS ;radial immunodiffusion
RE 1.G>Homo sapiens 1.CN>human 1.SN>somatomedin C 1.a.CC>protein
  2.G>Homo sapiens 2.CN>human 2.SN>insulin-like growth factor I
  2.a.CC>protein
  3.G>Homo sapiens 3.CN>human 3.SN>insulin-like growth factor II
  3.a.CC>protein
NR 1.G>Rattus norvegicus 1.CN>rat 1.SN>somatomedin 1.a.CC>protein
  2.G>Mus musculus 2.CN>mouse 2.SN>somatomedin 2.a.CC>protein
AP ;basic research
AV ;purified
AB PD given as IgA, kappa by DI#1
SD 3D121 2HH01 3D12
LD USA
EI DA>8612 CV>8605 CV>8808
CI ;literature
```

Now I think we have achieved a lot. Would you mind closing the session by the command 'end' ?

RS>end<cr>

```
FAIRS ENDED
*****
*** Please type CTRL + D key ***
*****
PLEASE LOGON
```

After typing 'end' you will get the above messages. Here you press CONTROL-key and D-key at the same time and you will return to the main menu.

### 3.5 Profile menu

In this menu you are able to change your password and the environment like a type of terminal. Nevertheless, you will utilize only the function of changing your password.

\*\*\* WDC MAIN MENU \*\*\*

- 1. News
- 2. Mail
- 3. Data Base Search
- 4. Profile
- x. logout

Please select [1-4,x] : 4<cr>

=== SETTING PROFILES ===

- 1. Terminal type
- 2. Japanese character
- 3. Change password |Select the option '3' if you
- r. Return to the main menu |really want to change your

Please Select [1-3,r] : r<cr> |password.

You have to be very careful in changing your password because WDC will not be able to identify your new password even if you forget.

### 3.6 Logout

\*\*\* WDC MAIN MENU \*\*\*

- 1. News
- 2. Mail
- 3. Data Base Search
- 4. Profile
- x. logout

Please select [1-4,x] : x<cr> |to close the whole  
|session

NO CARRIER

When you see this message, you may shutdown your personal computer.

## List of keywords and their numbers in IRIS

classification	num. keywords
-----	
* PARTS	
ROOT	001 ROOT-SEGMENT 002 ROOT-ROOT APEX 003 ROOT-OTHERS
STEM	004 STEM AND RHIZOME-SEGMENT 005 STEM AND RHIZOME-SHOOT APEX 006 STEM AND RHIZOME-PITH 007 STEM AND RHIZOME-CAMBIUM 008 STEM AND RHIZOME-EPIDERMIS 009 STEM AND RHIZOME-OTHERS
LEAF	010 LEAF-SEGMENT 011 LEAF-MESOPHYLL 012 LEAF-EPIDERMIS 013 LEAF-PETIOLE 014 LEAF-OTHERS
FLOWER	015 FLOWER-BUD 016 FLOWER-GAMETE 017 FLOWER-PISTIL 018 FLOWER-ANTHER 019 FLOWER-PETAL 020 FLOWER-OTHERS
FRUIT	021 FRUIT-SARCOCARP 022 FRUIT-PERICARP 023 FRUIT-OTHERS
SEED	024 SEED-EMBRYO 025 SEED-ENDOSPERM 026 SEED-SEEDLINGS 027 SEED-HYPOCOTYL 028 SEED-EPICOTYL 029 SEED-COTYLEDON 030 SEED-OTHERS
CALLUS	031 CALLUS-PRIMARY 032 CALLUS-SUBCULTURED
OTHERS	126 PROTONEMA 127 PROTHALLIUM 128 THALLUS 129 FROND 130 CROWN GALL 131 SUSPENSION CULTURES 033 PART-OTHERS
* SCIENTIFIC SUBJECTS	
PROTOPLAST	034 PROTOPLAST-ISOLATION 035 PROTOPLAST-CULTURE 036 PROTOPLAST-FUSION 037 PROTOPLAST-INCORPORATION 038 PROTOPLAST-OTHERS
GROWTH & PROPAGATION	039 GROWTH AND PROPAGATION-FRESH WEIGHT 040 GROWTH AND PROPAGATION-DRY WEIGHT 041 GROWTH AND PROPAGATION-CELL NUMBER 042 GROWTH AND PROPAGATION-DOUBLING TIME 043 GROWTH AND PROPAGATION-PACKED CELL VOLUME 044 GROWTH AND PROPAGATION-SETTLED CELL VOLUME 045 GROWTH AND PROPAGATION-OPICAL DENSITY 046 GROWTH AND PROPAGATION-COMPONENTS QUANTITY 047 GROWTH AND PROPAGATION-EFFICIENCY OF SYNCHRONOUS DIVISION 048 GROWTH AND PROPAGATION-MITOTIC INDEX 049 GROWTH AND PROPAGATION-PLATING EFFICIENCY

	132	GROWTH AND PROPAGATION-MATURATION
	050	GROWTH AND PROPAGATION-OTHERS
GROWTH & REGULATING SUBSTANCES	051	GROWTH AND REGULATING SUBSTANCES-CYTOKININ
	052	GROWTH AND REGULATING SUBSTANCES-AUXIN
	053	GROWTH AND REGULATING SUBSTANCES-GIBBERELLIN
	054	GROWTH AND REGULATING SUBSTANCES-ABSCISIC ACID
	055	GROWTH AND REGULATING SUBSTANCES-ETHYLENE
	056	GROWTH AND REGULATING SUBSTANCES-VITAMINS
	133	GROWTH AND REGULATING SUBSTANCES-INHIBITORS
	134	GROWTH AND REGULATING SUBSTANCES-ANTIBIOTICS
	057	GROWTH AND REGULATING SUBSTANCES-OTHERS
MORPHOGENESIS	135	MORPHOGENESIS-DIFFERENTIATION
	058	MORPHOGENESIS-DEDIFFERENTIATION
	059	MORPHOGENESIS-REDIFFERENTIATION
	060	MORPHOGENESIS-EMBRYOGENESIS
	061	MORPHOGENESIS-HABITUATION
	062	MORPHOGENESIS-OTHERS
METABOLISM	063	METABOLISM-FUNCTION AND MECHANISM
	064	METABOLISM-STRUCTURE
	065	METABOLISM-REGULATION
	066	METABOLISM-PHOTOAUTOTROPHY (GREENING)
	067	METABOLISM-ENERGY
	068	METABOLISM-CELL ORGANELLA
	069	METABOLISM-GENE (GENETIC MATERIAL)
	070	METABOLISM-BIOSYNTHESIS
	071	METABOLISM-BIOTRANSFORMATION
	072	METABOLISM-CATABOLISM
	073	METABOLISM-METABOLITES
	074	METABOLISM-ENZYMES
	075	METABOLISM-INORGANIC COMPOUNDS
	076	METABOLISM-AMINO ACIDS AND PROTEINS
	077	METABOLISM-NUCLEIC ACID AND RELATED COMPOUNDS
	078	METABOLISM-CARBOHYDRATES
	079	METABOLISM-ORGANIC ACIDS
	080	METABOLISM-PHENOLICS
	081	METABOLISM-FATTY ACIDS AND LIPIDS
	082	METABOLISM-STERIODS
	083	METABOLISM-TERPENOIDS
	084	METABOLISM-ALKALOIDS
	085	METABOLISM-OTHERS
PRODUCTION	136	PRODUCTION-USEFUL COMPOUNDS
	137	PRODUCTION-INDUSTRIAL APPLICATION
	138	PRODUCTION-OTHERS
ENZYMES	086	ENZYMES-OXIDOREDUCTASE
	087	ENZYMES-TRANSFERASE
	088	ENZYMES-HYDROLASE
	089	ENZYMES-LYASE
	090	ENZYMES-ISOMERASE
	091	ENZYMES-LIGASE
	139	ENZYMES-LOCALIZATION
NUTRITION	092	NUTRITION-INORGANIC COMPOUNDS
	093	NUTRITION-ORGANIC COMPOUNDS
	094	NUTRITION-CARBON SOURCE
	095	NUTRITION-ABSORPTION
	096	NUTRITION-OTHERS
PATHOLOGY	097	PLANT PATHOLOGY-VIRUS-FREE
	098	PLANT PATHOLOGY-VIRUS-INFECTION
	099	PLANT PATHOLOGY-CROWN GALL
	100	PLANT PATHOLOGY-OTHERS
GENETICS & BREEDING	101	GENETICS AND PLANT BREEDING-HAPLOID
	102	GENETICS AND PLANT BREEDING-HYBRID
	103	GENETICS AND PLANT BREEDING-MUTATION
	104	GENETICS AND PLANT BREEDING-CHROMOSOME ABERRATION

	105 GENETICS AND PLANT BREEDING-CELL SELECTION
	106 GENETICS AND PLANT BREEDING-RESISTANCE
	107 GENETICS AND PLANT BREEDING-PROPAGATION
	108 GENETICS AND PLANT BREEDING-GENETIC ENGINEERING
	109 GENETICS AND PLANT BREEDING-PLASMIDS
	140 GENETICS AND PLANT BREEDING-RESOURCES
	110 GENETICS AND PLANT BREEDING-OTHERS
PHYSICAL	141 PHYSICAL CONDITION-TEMPERATURE
CONDITION	142 PHYSICAL CONDITION-IRRADIATION-VISIBLE LIGHT
	143 PHYSICAL CONDITION-IRRADIATION-ULTRA VIOLET
	144 PHYSICAL CONDITION-IRRADIATION-RED-FARRED
	145 PHYSICAL CONDITION-IRRADIATION-X RAY
	146 PHYSICAL CONDITION-IRRADIATION-GAMMA RAY
	147 PHYSICAL CONDITION-OSMOTIC STRESS
	148 PHYSICAL CONDITION-HUMIDITY
	149 PHYSICAL CONDITION-PH
IMMOBILIZ.	150 IMMOBILIZATION-CELLS
	151 IMMOBILIZATION-ENZYMES
OTHERS	152 TRANSPORT
	153 BIOREACTORS
	125 SUBJECTS-OTHERS
* CULTURE METHODS	
	111 CULTURES-PROTOPLAST CULTURE
	112 CULTURES-CELL CULTURE: SINGLE CELL
	113 CULTURES-CELL CULTURE: POLLEN
	114 CULTURES-CELL CULTURE: OTHERS
	115 CULTURES-CALLUS CULTURE
	116 CULTURES-ORGAN CULTURE: EMBRYO
	117 CULTURES-ORGAN CULTURE: ROOT
	118 CULTURES-ORGAN CULTURE: SHOOT APEX
	119 CULTURES-ORGAN CULTURE: OVARY
	120 CULTURES-ORGAN CULTURE: OVULE
	121 CULTURES-ORGAN CULTURE: ANTHOR
	122 CULTURES-ORGAN CULTURE: OTHERS
	123 CULTURES-MASS CULTURE
	124 CULTURES-OTHERS



## **11 Culture Collections in the World**

## HOW TO USE THE LIST

The list of culture collections is in order of the registration numbers in WDC and Index of Countries is attached. An example of a record is presented below. The arrangement of the data items in the record corresponds to the format of WDC survey form which is included in the first part of this book. Names of the items are not printed if not applicable depending on each collections.

REGISTRATION NUMBER	registration number assigned by WDC
ACRONYM	acronym of the collection proposed by itself
POSTAL ADDRESS	
CORRE.	name of the correspondent
FULL NAME	full name of the collection
INSTI.	name of the mother institute, if any
ADDRESS	street, city, state and postal code
COUNTRY	country
MAIL NUMBERS	
TEL	telephone
TEX	telex
FAX	tele-fax
E-mail	electric mail
DIRECTOR	name of the director
CURATORS	names of curators and/or department heads with their major fields in parentheses
NUMBER OF STAFFS	number of staffs by fields
MAIN SUBJECTS	main subjects of the collection (please refer to the survey form)
CULTURE HELD	categories and their number of strains (lines) of cultures preserved
AVAILABILITY OF CULTURES	exchange, free and/or fee
CATALOGUE	publication of catalogue
SERVICES	general services available
Identi.	categories of identification service
Training	categories of training service
Consul.	categories of consultation service
DATE OF REPLY	date of the last reply
DATE OF ENTRY	date of the first entry to the directry

# List of Culture Collections

(sorted by registration number)

**REGISTRATION NUMBER 1**

ACRONYM ATCC

## POSTAL ADDRESS

CORRE. Mrs. Bobbie A. Brandon  
FULL NAME American Type Culture Collection  
ADDRESS 12301 Parklawn Drive  
Rockville  
Maryland  
20852

COUNTRY USA

## MAIL NUMBERS

TEL 301-881-2600  
TEX 908768, 898055  
FAX 301-231-5826  
E-mail Dialcom 142:CDT0109

## DIRECTOR

Dr. Robert E. Stevenson

## CURATORS

Dr. Robert Gherna (Bacteriology)  
Dr. S. -C. Jong (Mycology and Botany)  
Ms. Phyllis Pienta (Bacteriology)  
Mr. Elmer David (Mycology and Botany)  
Dr. Larry McDaniel (Plant Virus)  
Dr. Tom Nerad (Protistology)  
Dr. Charles Buck (Animal Virus)  
Dr. Wm. Nierman (Molecular and Plasmid Biology)  
Ms. Tamara Feyldblum (Molecular and Plasmid Biology)  
Dr. Robert Hay (Cell Culture)  
Mr. Marvin Macy (Cell Culture)

## NUMBER OF STAFFS

Bacteriology (13)  
Cell (23)  
Mycology (10)  
Protozoology (3)  
Virology (9)  
Molecular Biology (6)  
Assistants (49)  
Others (34)

## MAIN SUBJECTS

Agriculture  
Applied microbiology  
Cell biology  
Culture and preservation methods  
Freeze drying  
General microbiology  
Genetic engineering  
Genetics  
Immunology  
Industrial microbiology  
Medical microbiology  
Molecular biology  
Plant pathology  
Systematics and taxonomy  
Veterinary

## CULTURE HELD

Algae (108)  
Bacteria (13500)  
Fungi (14000)  
Yeasts (9000)  
Protozoa (950)  
Plasmids (400)  
Cell lines: animal (2300)  
Cell lines: plant (50)  
Hybridomas: animal (300)

Viruses: animal (1250)  
 Viruses: plant (300)  
 Viruses: bacteria (500)

AVAILABILITY OF CULTURES  
 Exchange/Fee  
 CATALOGUE Publish own catalogue once every 4 years  
 SERVICES Patent deposits  
 Storage service  
 Distribution

Identi. Bacteria  
 Fungi  
 Yeasts  
 Cell lines

Training Culture and preservation methods  
 Quality control  
 Genetic engineering  
 Karyotyping  
 Use of computer in culture collections

Consul. Patent deposits  
 Preservation  
 Propagation  
 Shipment regulations  
 Animal quarantine  
 Plant quarantine

DATE OF REPLY 12/18/87  
 DATE OF ENTRY 10/14/81

**REGISTRATION NUMBER 2**

ACRONYM CCMP  
 POSTAL ADDRESS  
 CORRE. Ms. Rhonda C. Selvin  
 FULL NAME Provasoli-Guillard Center for Culture of Marine Phytoplankton  
 INSTI. Bigelow Laboratory for Ocean Sciences  
 ADDRESS McKown Point  
 West Boothbay Harbor  
 Maine  
 04575

COUNTRY USA  
 MAIL NUMBERS TEL 207-633-2173  
 TEX 75-7567 ccmpud

SPONSORS Private non-profit labnatay  
 DIRECTOR Dr. R.R.L. Guillard  
 CURATORS R.C. Selvin  
 SUBCOLLECTIONS Ultra Plankton conection of about 100 isolates  
 Gulf of Maine collection

CULTURE HELD Algae (1000)

AVAILABILITY OF CULTURES  
 Exchange/Fee  
 for postage only if lack of funding  
 CATALOGUE Publish own catalogue once every month by computer  
 SERVICES Storage service  
 Distribution

Identi. Algae  
 Training Management of a culture collection  
 Culture and preservation methods

Consul. Preservation

OTHER SERVICES training in isolation of strains  
 DATE OF REPLY 2/ 2/88

DATE OF ENTRY 7/24/84

REGISTRATION NUMBER 3

ACRONYM NCIM  
POSTAL ADDRESS  
CORRE. Mr. S.R. Modak  
FULL NAME National Collection of Industrial Microorganisms  
INSTI. National Chemical Laboratory  
ADDRESS Pune  
Maharashtra  
411 008  
COUNTRY India  
MAIL NUMBERS TEL 56451-52-53  
TEX 0145-266  
STATUS governmental  
SPONSORS Council of Scientific and Industrial Research (CSIR)  
CURATORS Mr. S.R. Modak (Maintenance & Preservation of cultures)  
NUMBER OF STAFFS  
Algology (1)  
Bacteriology (2)  
Mycology (2)  
Others (1)  
MAIN SUBJECTS Agriculture  
Applied microbiology  
Biochemistry  
Culture and preservation methods  
Freeze drying  
General microbiology  
Genetic engineering  
Industrial microbiology  
CULTURE HELD Algae (12)  
Bacteria (1000)  
Fungi (1000)  
Yeasts (1000)  
Plasmids (10)  
Vectors (10)  
AVAILABILITY OF CULTURES  
Exchange/Fee  
CATALOGUE Need help to publish  
First edition published in 1977 & Supplementary in 1987.  
SERVICES Distribution  
Training Culture and preservation methods  
DATE OF REPLY 10/29/87  
DATE OF ENTRY 10/16/81

REGISTRATION NUMBER 6

ACRONYM HER  
POSTAL ADDRESS  
CORRE. Dr. Hans-W. Ackermann  
FULL NAME Felix d'Herelle Reference Center for Bacterial Viruses  
INSTI. Department of Microbiology, Faculty of Medicine, Laval  
University  
ADDRESS Sainte-Foy  
Quebec, P.Q.  
G1K 7P4  
COUNTRY Canada  
STATUS university

SPONSORS Natural Sciences and Engineering Research Council of Canada  
 DIRECTOR Hans-W. Ackermann  
 CURATORS Hans-W. Ackermann (Medical microbiology)  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Virology (1)  
 Agriculture  
 Applied microbiology  
 Biochemistry  
 General microbiology  
 Industrial microbiology  
 Medical microbiology  
 Systematics and taxonomy  
 CULTURE HELD Bacteria (262) (Propagating strains or lysogenic hosts)  
 Viruses: bacteria (298)  
 AVAILABILITY OF CULTURES  
 Free/Fee  
 CATALOGUE Free for research institutions, fees for industrial users  
 Planning to publish in 1990 ... and at every International  
 Congress of Virology  
 List of strains available  
 SERVICES Storage service (only strains judged to be interesting.)  
 Distribution  
 Identi. Viruses (Bacterial Viruses: by electron microscopy)  
 Training Culture and preservation methods  
 Consul. Preservation  
 Propagation  
 OTHER SERVICES Literature information  
 DATE OF REPLY 11/26/87  
 DATE OF ENTRY 1/12/83

**REGISTRATION NUMBER 7**

ACRONYM CY  
 POSTAL ADDRESS  
 CORRE. Prof. H.H. Mollaret  
 FULL NAME Centre des Yersinia  
 INSTI. Institut Pasteur  
 ADDRESS 25 Rue du Docteur Roux  
 Paris  
 75724 Codex 15  
 COUNTRY France  
 SPONSORS Centre Collaborateur WHO  
 DIRECTOR Prof. H.H. Mollaret  
 CURATORS Prof. H.H. Mollaret  
 MAIN SUBJECTS Epidemiology  
 General microbiology  
 Medical microbiology  
 Veterinary  
 CULTURE HELD Bacteria (8990)  
 SERVICES  
 Identi. Yersinia only  
 DATE OF REPLY 6/ 1/86  
 DATE OF ENTRY 10/16/81

**REGISTRATION NUMBER 10**

ACRONYM BCC  
 POSTAL ADDRESS  
 CORRE. Dr. Sukardi Hastiono

FULL NAME Balitvet Culture Collection  
 INSTI. Research Institute for Veterinary Science  
 ADDRESS JL.R.E. Martadinata 32  
 Bogor  
 West Java  
 Indonesia  
 COUNTRY  
 MAIL NUMBERS TEL 0251-21048.0251-21049.0251-26587  
 TEX 45534 bpph boo la  
 FAX 62 251 26425  
 STATUS governmental  
 DIRECTOR Dr. Sukardi Hastiono  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Assistants (2)  
 Agriculture  
 Applied microbiology  
 Biochemistry  
 Culture and preservation methods  
 General microbiology  
 Medical microbiology  
 Systematics and taxonomy  
 Veterinary  
 CULTURE HELD Bacteria (644)  
 Fungi (38)  
 Protozoa (109)  
 Viruses: animal (56)  
 CATALOGUE Publish own catalogue once every 4 years  
 SERVICES Storage service  
 Distribution  
 Identi. Bacteria (Bacterial pathogens of animals and birds)  
 Fungi (of importance in veterinary science)  
 Yeasts (of importance in veterinary science)  
 Viruses (of importance in veterinary science)  
 Protozoa of importance in veterinary science  
 Consul. Preservation  
 Propagation  
 DATE OF REPLY 3/15/88  
 DATE OF ENTRY 1/12/83

**REGISTRATION NUMBER 11**

ACRONYM KEMH  
 POSTAL ADDRESS  
 CORRE. Mr. J.I. Wells  
 FULL NAME KEMH Department of Microbiology  
 INSTI. King Edward Memorial Hospital for Women  
 ADDRESS Bagot Road  
 Subiaco  
 West Australia  
 6014  
 COUNTRY Australia  
 MAIL NUMBERS TEL 380-4532  
 FAX 388-1780  
 STATUS semi-governmental  
 CURATORS Mr. J.I. Wells (Clinical microbiology)  
 NUMBER OF STAFFS Bacteriology (9)  
 Virology (1)  
 MAIN SUBJECTS Medical microbiology  
 SUBCOLLECTIONS NIL <Group B Streptococci>



CULTURE HELD NIL <Gardnerella Vaginalis>  
Bacteria (1150)  
Yeasts (40)  
AVAILABILITY OF CULTURES Free  
CATALOGUE SERVICES No intention to publish  
Identi. Bacteria (Sub Type Gorup B Streptococci)  
DATE OF REPLY 12/13/87  
DATE OF ENTRY 1/12/83

REGISTRATION NUMBER 13

ACRONYM UQM  
POSTAL ADDRESS  
CORRE. Dr. L.I. Sly  
FULL NAME Department of Microbiology  
INSTI. University of Queensland  
ADDRESS St. Lucia  
Queensland  
4067  
COUNTRY Australia  
STATUS university  
DIRECTOR Dr. J.G. Atherton  
CURATORS Dr. L.I. Sly  
MAIN SUBJECTS General microbiology  
CULTURE HELD Algae (15)  
Bacteria (2600)  
Fungi (145)  
Viruses: animal (33)  
Viruses: bacteria (73)  
Yeasts (82)  
AVAILABILITY OF CULTURES Free  
Exchange/Fee  
DATE OF REPLY 3/ 9/85  
DATE OF ENTRY 10/20/81

REGISTRATION NUMBER 14

ACRONYM LMP  
POSTAL ADDRESS  
CORRE. Dr. N.D. Stallman  
FULL NAME Laboratory of Microbiology and Pathology  
INSTI. Department of Health  
ADDRESS Gpo Box 495  
Brisbane  
Queensland  
4000  
COUNTRY Australia  
MAIL NUMBERS TEL 07-224-5545  
TEX Qst Lab AA41686  
STATUS governmental  
DIRECTOR Dr. A.J. Ansford  
CURATORS Dr. N.D. Stallman (Leptospira)  
NUMBER OF STAFFS Bacteriology (2)  
MAIN SUBJECTS Medical microbiology  
Systematics and taxonomy

CULTURE HELD Bacteria (198)  
AVAILABILITY OF CULTURES  
Free  
CATALOGUE Planning to publish in 1988  
SERVICES Distribution (on request)  
Identi. Bacteria (leptospira isolates)  
Training Numerical taxonomy and/or probabilistic identification  
DATE OF REPLY 10/11/87  
DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 15**

ACRONYM RHMU  
POSTAL ADDRESS  
CORRE. Miss Malai Vorachit  
FULL NAME Ramathibodi Hospital  
INSTI. Mahidol University (Department of Pathology)  
ADDRESS Rama VI Road  
Bangkok  
Payathai  
10400  
COUNTRY Thailand  
MAIL NUMBERS TEL 2460024 EXT 1389  
TEX 84770 UNIMAH TH  
STATUS university  
DIRECTOR Prof. Vijitr Boonpuakanavig  
CURATORS Dr. Panida Jayanetra  
STAFFS Bacteriology (1/4)  
MAIN SUBJECTS Medical microbiology  
CULTURE HELD Bacteria (55)  
AVAILABILITY OF CULTURES  
Exchange  
CATALOGUE Need help to publish  
SERVICES  
Identi. Bacteria (Medical)  
Training Culture and preservation methods  
Quality control  
DATE OF REPLY 11/18/87  
DATE OF ENTRY 1/19/83

**REGISTRATION NUMBER 17**

ACRONYM BDUZ  
POSTAL ADDRESS  
CORRE. Dr. Sara Feresu  
FULL NAME Biological Sciences  
INSTI. University of Zimbabwe  
ADDRESS Mount Pleasant  
Harare  
MP167  
COUNTRY Zimbabwe  
MAIL NUMBERS TEL 303211  
TEX 4152.ZW  
STATUS university  
DIRECTOR Dr. S.B. Feresu  
CURATORS Dr. S.B. Feresu (Bacteriology)  
NUMBER OF STAFFS  
Bacteriology (1)  
Mycology (2)

ASSISTANTS (2)  
 COMPUTER SPECIALIST (1)  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Culture and preservation methods  
 Fermentation  
 Food science  
 Forest microbiology  
 Freeze drying  
 General microbiology  
 Industrial microbiology  
 Medical microbiology  
 Systematics and taxonomy  
 Veterinary  
 CULTURE HELD Bacteria (130)  
 Fungi (30)  
 Viruses: bacteria (5)  
 AVAILABILITY OF CULTURES Free  
 Exchange  
 CATALOGUE Need help to publish  
 No intention to publish  
 If no funds are available  
 SERVICES  
 Identif. Bacteria  
 Fungi  
 Training Culture and preservation methods  
 Numerical taxonomy and/or probabilistic identification  
 DATE OF REPLY 6/1/88  
 DATE OF ENTRY 9/10/85

REGISTRATION NUMBER 18

ACRONYM FRR  
 POSTAL ADDRESS  
 CORRE. Dr. A.D. Hocking  
 FULL NAME Division of Food Research  
 INSTI. Commonwealth Scientific and Industrial Research Organization  
 ADDRESS P.O. Box 52  
 North Ryde  
 N.S.W.  
 2113  
 COUNTRY Australia  
 MAIL NUMBERS TEL 61-2-887 8333  
 TEX AA 23407  
 FAX 61-2-887 3107  
 STATUS governmental  
 SPONSORS Commonwealth Scientific and Industrial Research Organization  
 DIRECTOR Dr. Ailsa D. Hocking  
 CURATORS Dr. A.D. Hocking  
 NUMBER OF STAFFS Mycology (1)  
 Assistants (0.1)  
 COMPUTER SPECIALIST Dr. J.I. Pitt  
 MAIN SUBJECTS Food science  
 SUBCOLLECTIONS food spoilage fungi  
 Xerophilic fungi

CULTURE HELD Penicillium species  
 Fungi (3000)  
 Yeasts (100)  
 AVAILABILITY OF CULTURES  
 Exchange/Fee  
 CATALOGUE Planning to publish in 1989  
 SERVICES Distribution (Food spoilage fungi, Penicillium species)  
 Identi. Fungi (Penicillium, Aspergillus, Xerophilic fungi)  
 DATE OF REPLY 10/27/87  
 DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 21**

ACRONYM DMCCUM  
 POSTAL ADDRESS  
 CORRE. Mr. Laksh Narayan  
 FULL NAME Microbiology Department Culture Collection  
 INSTI. University of Melbourne  
 ADDRESS Royal Parade  
 Parkville  
 Victoria  
 3052  
 COUNTRY Australia  
 STATUS university  
 DIRECTOR Prof. A.J. Pittard  
 CURATORS Mr. Laksh Narayan  
 MAIN SUBJECTS Agriculture  
 General microbiology  
 Industrial microbiology  
 Medical microbiology  
 CULTURE HELD Bacteria (460)  
 Fungi (16)  
 Yeasts (15)  
 AVAILABILITY OF CULTURES  
 Fee  
 DATE OF REPLY 3/ 4 /85  
 DATE OF ENTRY 5/31/82

**REGISTRATION NUMBER 22**

ACRONYM AWRI  
 POSTAL ADDRESS  
 CORRE. Dr. P.R. Monk  
 FULL NAME The Australian Wine Research Institute  
 ADDRESS Waite Road  
 Urrbrae  
 South Australia  
 5113  
 COUNTRY Australia  
 STATUS governmental  
 industry  
 DIRECTOR Dr. T.H. Lee  
 CURATORS Dr. P.R. Monk  
 MAIN SUBJECTS Industrial microbiology  
 CULTURE HELD Bacteria (90)  
 Fungi (29)  
 Yeasts (200)  
 DATE OF REPLY 4/17/85  
 DATE OF ENTRY 1/12/83

**REGISTRATION NUMBER 23**

ACRONYM           KKU  
POSTAL ADDRESS  
CORRE.           Mr. Prasart Phonimdaeng  
FULL NAME        KKU  
INSTI.           Faculty of Science, Khon Kaen University  
ADDRESS          Mitrparp Road  
                  Khon Kaen  
COUNTRY          Australia  
                  Thailand  
STATUS            university  
DIRECTOR          Mrs. Suwakon Panukanitt  
CURATORS         Mr. Prasart Phonimdaeng  
MAIN SUBJECTS    General microbiology  
                  Industrial microbiology  
DATE OF REPLY    6/17/85  
DATE OF ENTRY    1/26/83

**REGISTRATION NUMBER 25**

ACRONYM           UPMR  
POSTAL ADDRESS  
CORRE.           Dr. Zulkifli Haji Shamsuddin  
FULL NAME        Rhizobium Collection  
INSTI.           Department of Soil Science, Universiti Pertanian Malaysia  
ADDRESS          Serdang  
                  Selangor  
COUNTRY          Malaysia  
STATUS            university  
DIRECTOR          Dr. Wan Sulaiman Wan Harun  
CURATORS         Zulkifli Haji Shamsuddin  
MAIN SUBJECTS    Agriculture  
                  Soil microbiology  
CULTURE HELD     Bacteria (76)  
DATE OF REPLY    1/26/83  
DATE OF ENTRY    1/26/83

**REGISTRATION NUMBER 27**

ACRONYM           PPCC  
POSTAL ADDRESS  
CORRE.           Dr. J.L. Alcorn  
FULL NAME        Plant Pathology Culture Collection  
INSTI.           Department of Primary Industries Plant Pathology Branch  
ADDRESS          Meiers Road  
                  Indooroopilly  
                  Queensland  
                  4068  
COUNTRY          Australia  
MAIL NUMBERS     TEL 377-9340  
                  TEX AA 41 1620  
                  FAX 07-870-3276  
STATUS            governmental  
DIRECTOR          Dr. I.F. Muirhead  
CURATORS         Dr. J.L. Alcorn (Mycology)  
NUMBER OF STAFFS                   Mycology (1)

MAIN SUBJECTS    Agriculture  
                   Plant pathology  
                   Systematics and taxonomy  
 CULTURE HELD    Fungi (700)  
 AVAILABILITY OF CULTURES  
                   Free  
 CATALOGUE        No intention to publish  
 SERVICES         Storage service  
   Identi.         Fungi (limited numbers)  
 DATE OF REPLY    10/29/87  
 DATE OF ENTRY    10/16/81

**REGISTRATION NUMBER 28**

ACRONYM          RIVE  
 POSTAL ADDRESS  
   CORRE.         Dr. Erich Minarik, DrSc.  
   INSTI.         Research Institute for Viticulture and Enology  
   ADDRESS        Matuskova 25  
                   Bratislava  
                   833 11  
                   Czechoslovakia  
 COUNTRY  
 MAIL NUMBERS    TEL 462-24,462-26,462-25  
 STATUS            governmental  
 DIRECTOR         Dr. Erich Minarik, DrSc.  
 CURATORS         Zuzana Silharova (Industrial and Agric.microbiol.)  
 NUMBER OF STAFFS  
                   Bacteriology (1)  
                   Mycology (1)  
 MAIN SUBJECTS    Applied microbiology  
                   Culture and preservation methods  
                   Ecology  
                   Fermentation  
                   Systematics and taxonomy  
 CULTURE HELD    Fungi (15)  
                   Yeasts (750)  
 AVAILABILITY OF CULTURES  
                   Free  
                   Exchange/Fee  
 CATALOGUE        Publish own catalogue once every 5 years  
 SERVICES         Patent deposits  
                   Distribution (pure yeast starters for industry)  
   Identi.         Yeasts (for industrial and teaching purposes)  
   Training         Culture and preservation methods  
                   Quality control  
   Consul.         Preservation  
 DATE OF REPLY    10/30/87  
 DATE OF ENTRY    10/16/81

**REGISTRATION NUMBER 29**

ACRONYM          CCM-A  
 POSTAL ADDRESS  
   CORRE.         Prof. Dr. Ramon Alberto de Torres  
   FULL NAME        Coleccion de Cultivos Microbianos  
   INSTI.           Facultad de Farmacia y Bioquimica  
   ADDRESS         Junin 956 80 Piso  
                   Buenos Aires  
                   Argentina

COUNTRY 1113  
 Argentina  
 MAIL NUMBERS TEL 962-7233  
 STATUS university  
 DIRECTOR Prof. Dr. Ramon Alberto de Torres  
 CURATORS Picca, Silvia Margarita (Biochemistry (Bacteria))  
 Alderete de Monteban Ethel (Technician (Bacteria))  
 NUMBER OF STAFFS  
 Bacteriology (8)  
 Mycology (1)  
 Virology (1)  
 Assistants (2)  
 MAIN SUBJECTS Applied microbiology  
 Culture and preservation methods  
 Environmental protection  
 Fermentation  
 Food science  
 Freeze drying  
 General microbiology  
 Industrial microbiology  
 Medical microbiology  
 Pharmacology  
 Systematics and taxonomy  
 CULTURE HELD Bacteria (883)  
 Fungi (28)  
 Yeasts (21)  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange/Fee  
 CATALOGUE SERVICES Need help to publish  
 Storage service (private or official laboratories ask for  
 storage their cultures.)  
 Distribution (private or official institutions)  
 Identi. Bacteria (Received for storage or identification.)  
 Fungi (Received for storage or identification.)  
 Yeasts (Received for storage or identification.)  
 Viruses  
 Training Management of a culture collection  
 Culture and preservation methods  
 Quality control  
 Use of computer in culture collections  
 Numerical taxonomy and/or probabilistic identification  
 Consul. Patent deposits  
 Preservation  
 Propagation  
 Shipment regulations  
 Animal quarantine  
 DATE OF REPLY 12/29/87  
 DATE OF ENTRY 10/14/81  
 REGISTRATION NUMBER 30  
 ACRONYM BIOTECH  
 POSTAL ADDRESS  
 CORRE. Mrs. Lourdes M. Tapay  
 FULL NAME BIOTECH Microbial Culture Collection and Services Laboratory  
 INSTL. National Institutes of Biotechnology and Applied  
 Microbiology  
 ADDRESS BIOTECH-UPLB

	College Laguna 4031
COUNTRY	Philippines
MAIL NUMBERS	TEL 2722 to 2725
STATUS	governmental university
SPONSORS	University of the Philippines at Los Banos
DIRECTOR	Lourdes M. Tapay
MAIN SUBJECTS	Agriculture Applied microbiology Culture and preservation methods Food science General microbiology Industrial microbiology Systematics and taxonomy
CULTURE HELD	Algae (9) Bacteria (532) Fungi (156) Yeasts (202) Protozoa (1)
AVAILABILITY OF	CULTURES
	Free Exchange/Fee
CATALOGUE	Need help to publish
SERVICES	Distribution
Identi.	Bacteria Fungi Yeasts
Consul.	Preservation
OTHER SERVICES	microbiological analyses of samples
DATE OF REPLY	10/21/88
DATE OF ENTRY	4/14/83

**REGISTRATION NUMBER 31**

ACRONYM	IMA
POSTAL ADDRESS	
CORRE.	Dr. Rosa Nelida Dieguez
FULL NAME	Departamento de Microbiologia
INSTI.	Instituto Nacional de Tecnologia Agropecuaria
ADDRESS	C.C.25 (1712) Castelar
COUNTRY	Argentina
STATUS	governmental
DIRECTOR	Rosa Nelida Dieguez
MAIN SUBJECTS	Agriculture
CULTURE HELD	Bacteria (838)
AVAILABILITY OF	CULTURES
	Free
DATE OF REPLY	12/18/85
DATE OF ENTRY	5/31/82

**REGISTRATION NUMBER 32**

ACRONYM	CCUG
POSTAL ADDRESS	
CORRE.	Civ.ing. Enevold Falsen
FULL NAME	Culture Collection, University of Gothenburg



INSTI. Department of Clinical Bacteriology  
 ADDRESS Guldhedsg. 10  
 Gothenburg  
 S-413 46

COUNTRY Sweden  
 MAIL NUMBERS TEL -4631636616  
 FAX +4631636677  
 E-mail EARN/BITNET. tixcc at seguc21  
 Dialcom: 1075: DBI0070

STATUS university  
 DIRECTOR Enevold Falsen  
 CURATORS Enevold Falsen  
 NUMBER OF STAFFS

Bacteriology (3)  
 Assistants (1)  
 Others (1)

MAIN SUBJECTS Applied microbiology  
 Ecology  
 General microbiology  
 Genetic engineering  
 Immunology  
 Industrial microbiology  
 Marine biology  
 Medical microbiology  
 Systematics and taxonomy  
 Veterinary

SUBCOLLECTIONS <Campylobacter, Moraxella, Pseudomonas, Haemophilus>  
 <Corynebacterium diphtheriae, Streptococcus pneumoniae>  
 <Gram-negative nonfermenters, etc.>

CULTURE HELD Bacteria (23000)  
 Fungi (200)  
 Yeasts (400)

AVAILABILITY OF CULTURES Exchange/Fee

CATALOGUE SERVICES Publish own catalogue once every month in diskette  
 Storage service  
 Distribution

Identi. Bacteria  
 Training Taxonomy and Identification Possible  
 Consul. Preservation  
 Shipment regulations  
 Information technology

OTHER SERVICES Retrieval Information - Literature

DATE OF REPLY 6/17/88  
 DATE OF ENTRY 1/06/84

**REGISTRATION NUMBER 33**

ACRONYM CICV  
 POSTAL ADDRESS

CORRE. Dr. Alejandro Anibal Schudel  
 FULL NAME Centro de Investigaciones en Ciencias Veterinarias  
 ADDRESS Las Cabanas Y Los Reseros  
 Villa Udaondo  
 Buenos Aires  
 1708-C.C.No 77

COUNTRY Argentina  
 MAIL NUMBERS TEL 621-1743  
 TEX INTA.AR17518

STATUS governmental  
SPONSORS Instituto Nacional de Tecnologia Agropecuaria  
DIRECTOR A.A. Schudel  
CURATORS Dr. Lucio J. Villa (Bacteriology)  
Dr. Beatriz Gomez (Hemoparasitos)  
Dr. Osvaldo Zabal (Mammalian cell)  
Dr. Irene Lager (Virologia)

NUMBER OF STAFFS Bacteriology (1)  
Cell (1)  
Protozoology (1)  
Virology (1)  
MAIN SUBJECTS Agriculture  
Cell biology  
Food science  
Genetic engineering  
Molecular biology  
Veterinary  
CULTURE HELD Bacteria (175)  
Protozoa (3)  
Cell lines: animal (14)  
Hybridomas: animal (6)  
Viruses: animal (17)  
Viruses: plant (6)

AVAILABILITY OF CULTURES  
Fee  
Charge on travel  
CATALOGUE SERVICES Not included in catalogue yet  
Storage service  
Identi. Bacteria  
Fungi  
Cell lines  
Viruses  
Training Culture and preservation methods  
DATE OF REPLY 12/ 7/87  
DATE OF ENTRY 10/20/81

REGISTRATION NUMBER 34

ACRONYM MAR  
POSTAL ADDRESS  
CORRE. Mrs. M.R. Ryder  
FULL NAME Grasslands Rhizobium Collection  
INSTL. Soil Productivity Research Laboratory  
ADDRESS Private Bag 3757  
Marondera  
COUNTRY Zimbabwe  
STATUS governmental  
DIRECTOR Mr. O.T. Mandiringana  
CURATORS Mrs. M.R. Ryder (Rhizobium)  
NUMBER OF STAFFS

Bacteriology (1)  
Assistants (1)  
Others (2)  
MAIN SUBJECTS Agriculture  
Culture and preservation methods  
Research and service  
SUBCOLLECTIONS Grasslands Rhizobium Collection <Rhizobium>  
CULTURE HELD Bacteria (537)

AVAILABILITY OF CULTURES  
 Free  
 Exchange/Fee  
 Fee for commercial inoculant production  
 CATALOGUE Publish own catalogue once every year  
 SERVICES Distribution (cultures sent to Rhizobium research workers)  
 Training Culture and preservation methods  
 Quality control  
 OTHER\_SERVICES Motmer cultures supplied to Grasslands Legume inoculant  
 Factory  
 DATE OF REPLY 11/26/87  
 DATE OF ENTRY 10/20/81

REGISTRATION NUMBER 35

ACRONYM WAITE  
 POSTAL ADDRESS  
 CORRE. Prof. D.E. Pinnock  
 FULL NAME Insect Pathology Pathogen Collection  
 INSTI. WAITE Agricultural Research Institute  
 ADDRESS Waite Road  
 Adelaide  
 South Australia  
 5000  
 COUNTRY Australia  
 DIRECTOR Prof. D.E. Pinnock  
 CURATORS Prof. D.E. Pinnock  
 MAIN SUBJECTS Agriculture  
 General microbiology  
 Insect microbiology  
 CULTURE HELD Bacteria (30)  
 Fungi (48)  
 Protozoa (8)  
 Viruses: insect (2)  
 SERVICES  
 Ident. Melissococcus pluton(sero), Bacillus larvae,  
 Bacillus alvei(Biochemistry)  
 DATE OF REPLY 4/ 9/85  
 DATE OF ENTRY 3/20/84

REGISTRATION NUMBER 36

ACRONYM DWT  
 POSTAL ADDRESS  
 CORRE. Miss R.M. Keirle  
 FULL NAME Wood Technology and Forest Research Division  
 INSTI. Forestry Commission of New South Wales  
 ADDRESS P.O. Box 100  
 Beecroft  
 New South Wales  
 2119  
 COUNTRY Australia  
 STATUS governmental  
 DIRECTOR Dr. D.I. Bevege  
 CURATORS J.A. Simpson (Mycologist)  
 Miss R.M. Keirle (Mycologist)  
 MAIN SUBJECTS Forest microbiology  
 Timber mycology  
 CULTURE HELD Fungi (55)

DATE OF REPLY 11/15/85  
DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 37**

ACRONYM ICAITI  
POSTAL ADDRESS  
CORRE. Dr. S de Cabrera  
FULL NAME Coleccion de Microorganisms del Instituto Centroamericano  
INSTI. Instituto Centroamericano de Investigacion y Tecnologia  
Industrial-ICAIT  
ADDRESS Avenida le Reforma 4-47, Zona 10  
Guatemala Guatemala  
COUNTRY Guatemala  
SPONSORS Regional Research Institute  
DIRECTOR S Cabrera  
CURATORS Silvia Ortiz  
MAIN SUBJECTS Industrial microbiology  
CULTURE HELD Bacteria (74)  
Fungi (97)  
Yeasts (85)  
AVAILABILITY OF CULTURES  
Fee  
SERVICES  
Identi. Those of interest in food microbiology, pharmaceutical  
microbiology  
DATE OF REPLY 3/25/85  
DATE OF ENTRY 6/20/84

**REGISTRATION NUMBER 38**

ACRONYM FTK (<-FORINTEK)  
POSTAL ADDRESS  
CORRE. Dr. Keith A. Seifert  
FULL NAME Forintek Culture Collection of Wood-inhabiting Fungi  
INSTI. Forintek Canada Corp., Biotechnology and Chemistry  
Department.  
ADDRESS 800 Montreal Road  
Ottawa  
Ontario  
K1G 3Z5  
COUNTRY Canada  
MAIL NUMBERS TEL 613-744-0963 EXT 2802  
TEX 053-3606  
FAX 613-744-0963  
STATUS semi-governmental  
private  
SPONSORS Canadian Forestry Service  
DIRECTOR Keith A. Seifert  
CURATORS Keith A. Seifert (Mycology)  
NUMBER OF STAFFS  
Mycology (1)  
Assistants (1)  
MAIN SUBJECTS Applied microbiology  
Culture and preservation methods  
Ecology  
Fermentation  
Forest microbiology  
Systematics and taxonomy

CULTURE HELD Bacteria (5)  
 Fungi (2500)  
 Yeasts (25)  
 AVAILABILITY OF CULTURES Free  
 Exchange/Fee  
 CATALOGUE Publish own catalogue once every 5 to 10 year  
 Planning to publish in 1990  
 SERVICES Storage service (fungi, by contract only)  
 Distribution (fungi)  
 Identi. Fungi (limited, by contract only)  
 Training Culture and preservation methods  
 Use of computer in culture collections  
 DATE OF REPLY 10/30/87  
 DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 39**

ACRONYM MCC-UPLB (<-MCC)  
 POSTAL ADDRESS  
 CORRE. Dr. Priscilla C. Sanchez  
 FULL NAME Microbial Culture Collection  
 INSTI. Museum of Natural History  
 University of the Philippines Los Banos  
 ADDRESS U.P. at Los Banos, College  
 Laguna  
 4031  
 COUNTRY Philippines  
 MAIL NUMBERS TEL 2312 or 3268  
 STATUS university  
 DIRECTOR Dr. Priscilla C. Sanchez  
 CURATORS Dr. Priscilla C. Sanchez (Yeasts and Bacteria)  
 Dr. Tricita H. Quimio (Fungi)  
 Dr. Milagrosa R. Martinez (Algology)

**NUMBER OF STAFFS**

Algology (1)  
 Bacteriology (1)  
 Mycology (2)  
 Assistants (1)

**MAIN SUBJECTS**

Agriculture  
 Applied microbiology  
 Culture and preservation methods  
 Fermentation  
 Food science  
 General microbiology  
 Industrial microbiology  
 Marine biology

**CULTURE HELD**

Bacteria (214)  
 Fungi (208)  
 Yeasts (107)

**AVAILABILITY OF CULTURES**

Exchange/Fee

**CATALOGUE**

Planning to publish in 1989

**SERVICES**

Distribution (instruction, research, and industrial)

**DATE OF REPLY**

1/10/89

**DATE OF ENTRY**

6/20/84

**REGISTRATION NUMBER 40**

ACRONYM DUM  
 POSTAL ADDRESS  
 CORRE. Dr. K.G. Mukerji  
 FULL NAME Delhi University, Mycological Herbarium,  
 INSTI. Department of Botany, University of Delhi.  
 ADDRESS Delhi  
 110007  
 COUNTRY India  
 STATUS university  
 DIRECTOR Professor K.G. Mukerji  
 MAIN SUBJECTS Microbiology  
 Mycology  
 Plant pathology  
 Teaching and research  
 CULTURE HELD Fungi (200)  
 SERVICES  
 Identi. Fungi  
 general forms.  
 DATE OF REPLY 12/27/85  
 DATE OF ENTRY 7/24/84

**REGISTRATION NUMBER 41**

ACRONYM DVMI  
 POSTAL ADDRESS  
 CORRE. Dr. A.H. Meek  
 FULL NAME Department of Veterinary Microbiology and Immunology  
 INSTI. University of Guelph  
 ADDRESS Guelph  
 Ontario  
 N1G 2W1  
 COUNTRY Canada  
 STATUS university  
 DIRECTOR Dr. A.H. Meek  
 CURATORS Mr. L. Thackeray  
 MAIN SUBJECTS Veterinary  
 CULTURE HELD Bacteria (29)  
 AVAILABILITY OF CULTURES  
 Free  
 DATE OF REPLY 4/15/85  
 DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 42**

ACRONYM AMMRL  
 POSTAL ADDRESS  
 CORRE. Mr. D.B. Muir  
 FULL NAME Australian National Reference Laboratory in Medical Mycology  
 INSTI. The Royal North Shore Hospital of Sydney  
 ADDRESS Pacific Highway  
 Sydney  
 New South Wales  
 2065  
 COUNTRY Australia  
 MAIL NUMBERS TEL 02-438-7128  
 STATUS governmental  
 DIRECTOR Dr. R.C. Pritchard  
 CURATORS D.B. Muir  
 NUMBER OF STAFFS

MAIN SUBJECTS Mycology (2)  
 Medical and Veterinary Mycology  
 CULTURE HELD Algae (5)  
 Fungi (778)  
 Yeasts (145)  
 Aerobic actinomycetes (98)  
 AVAILABILITY OF CULTURES  
 Free  
 CATALOGUE Publish own catalogue (irregular intervals)  
 SERVICES Distribution (teaching and research)  
 Identi. Fungi (medical and veterinary)  
 Yeasts (medical and veterinary)  
 Aerobic actinomycetes  
 Training Identification  
 Consul. Preservation  
 DATE OF REPLY 10/29/87  
 DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 43**

ACRONYM UKKP  
 POSTAL ADDRESS  
 CORRE. Mr. Abdul Hamid Aziz  
 FULL NAME Universiti Kebangsaan Kultur Perubatan  
 INSTI. Universiti Kebangsaan Malaysia  
 ADDRESS Jalan Raja Muda  
 Kuala Lumpur  
 Wilayah Persekutuan  
 50300  
 COUNTRY Malaysia  
 MAIL NUMBERS TEL 2923066 EXT226  
 STATUS university  
 SPONSORS Universiti Kebangsaan Malaysia  
 DIRECTOR Dr. Nasruddin Abdullah  
 CURATORS Mr. Abdul Hamid Aziz (Bacteriology)  
 Mr. Mohd. Arif Abas (Bacteriology)

**NUMBER OF STAFFS**

Bacteriology (2)  
 MAIN SUBJECTS Medical microbiology  
 CULTURE HELD Bacteria (370)  
 Fungi (32)  
 AVAILABILITY OF CULTURES  
 Free  
 CATALOGUE Pending on increase in number of collection  
 SERVICES  
 Identi. Bacteria (Medical)  
 Fungi (Medical)  
 DATE OF REPLY 12/10/87  
 DATE OF ENTRY 8/01/84

**REGISTRATION NUMBER 44**

ACRONYM ITBCC (<-ITB)  
 POSTAL ADDRESS  
 CORRE. Dr. Ibrahim Sastramihardja  
 FULL NAME Institute of Technology Bandung Culture Collection  
 INSTI. Laboratory for Microbiology & Fermentation Technology  
 ADDRESS Jalan Ganesa 10  
 Bandung

	West Java 40132
COUNTRY	Indonesia
MAIL NUMBERS	TEL 84251 EXT 356
STATUS	university
DIRECTOR	Dr. Ibrahim Sastramihardja
CURATORS	Dr. Ibrahim Sastramihardja (Mycology & others) Dr. Achmad Ali S. (Bacteriology) Dr. Unus Suriawiria (Algology)
NUMBER OF STAFFS	Algology (2) Bacteriology (2) Cell (1) Mycology (3) Assistants (7) Others (4)
MAIN SUBJECTS	Agriculture Applied microbiology Culture and preservation methods Environmental protection Fermentation Food science Forest microbiology General microbiology Genetic engineering Industrial microbiology Marine biology
CULTURE HELD	Algae (25) Bacteria (170) Fungi (192) Yeasts (115) Plasmids (2) Streptomyces (97) not-identi. molds, yeast and bacteria (376)
AVAILABILITY OF	CULTURES Free Exchange/Fee
CATALOGUE	Publish own catalogue once every 2 years Planning to publish in 1989 (a now one)
SERVICES	Storage service Distribution
Training	Management of a culture collection Culture and preservation methods Quality control Genetic engineering
Consul.	Preservation Propagation
DATE OF REPLY	12/15/87
DATE OF ENTRY	8/22/84

REGISTRATION NUMBER 45

ACRONYM	FRI (<-GCIDT)
POSTAL ADDRESS	
CORRE.	Mr. Carl Greenaway
FULL NAME	Food Research Institute
ADDRESS	Princess Highway Werribee Victoria



COUNTRY 3030  
 Australia  
 MAIL NUMBERS TEL 03-7411300  
 FAX 03-7410313  
 STATUS governmental  
 SPONSORS Victorian Department of Agriculture and Rural Affairs  
 DIRECTOR Mr. Paul Drew  
 CURATORS Mr. Carl Greenaway (Microbiology)  
 Miss. Alison Wilcock (Senior Technican)  
 NUMBER OF STAFFS  
 Bacteriology (6)  
 Mycology (3)  
 MAIN SUBJECTS Dairy microbiology  
 Food science  
 CULTURE HELD Bacteria (75)  
 Fungi (7)  
 Yeasts (4)  
 AVAILABILITY OF CULTURES  
 Fee  
 CATALOGUE No intention to publish  
 SERVICES  
 Training Quality control  
 Consul. Animal quarantine  
 DATE OF REPLY 11/30/87  
 DATE OF ENTRY 10/20/81

REGISTRATION NUMBER 47

ACRONYM ACH  
 POSTAL ADDRESS  
 CORRE. Dr. D.H. Ellis  
 FULL NAME Mycology Culture Collection  
 INSTI. Adelaide Children's Hospital  
 ADDRESS North Adelaide  
 South Australia  
 S006  
 COUNTRY Australia  
 MAIL NUMBERS TEL 08-267-7365  
 TEX ACHOSP89178  
 FAX 08-239-0417  
 STATUS semi-governmental  
 SPONSORS Adelaide Children's Hospital  
 DIRECTOR Dr. D.H. Ellis  
 CURATORS Dr. D.H. Ellis (Mycology)  
 NUMBER OF STAFFS  
 Mycology (1)  
 MAIN SUBJECTS Medical mycology  
 CULTURE HELD Fungi (2000)  
 AVAILABILITY OF CULTURES  
 Free  
 CATALOGUE Planning to publish in 1988  
 SERVICES Patent deposits (liquid N2 storage living fungi, yeasts)  
 Storage service (liquid N2 storage living fungi, yeasts)  
 Distribution (living fungi, yeasts)  
 Identi. Fungi (Zygomycetes, Hyphomycetes of medical importance)  
 Yeasts (All)  
 Training Quality control  
 DATE OF REPLY 2/11/87  
 DATE OF ENTRY 9/18/84

**REGISTRATION NUMBER 48**

ACRONYM UNAM  
 POSTAL ADDRESS  
 CORRE. Dr. Marco Antonio Ortiz  
 FULL NAME Industrial Culture Collection  
 INSTI. Instituto de Investigaciones Biomedicas  
 ADDRESS Cd. Universitaria  
 Mexico  
 D.F.  
 04510  
 COUNTRY Mexico  
 MAIL NUMBERS TEL 5505016  
 STATUS university  
 DIRECTOR Dr. Sergio Sanchez  
 CURATORS Marco Antonio Ortiz (Biotechnology)  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Bacteriology (1)  
 Industrial microbiology  
 SUBCOLLECTIONS Actinomycetes <Industrial>  
 Algae <Aquaculture>  
 CULTURE HELD Algae (94)  
 Bacteria (150)  
 Fungi (50)  
 Yeasts (30)  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange/Fee  
 CATALOGUE Publish own catalogue once every 4 years  
 SERVICES Patent deposits (Yes, on payment of fee)  
 Storage service (on payment of fee)  
 Identi. Algae (Yes, on payment of fee)  
 Training Management of a culture collection  
 Culture and preservation methods  
 Consul. Preservation  
 DATE OF REPLY 11/13/87  
 DATE OF ENTRY 9/25/84

**REGISTRATION NUMBER 49**

ACRONYM UNK  
 POSTAL ADDRESS  
 CORRE. Dr. D. Widdowson  
 FULL NAME Culture Collection  
 INSTI. University of Nairobi  
 ADDRESS P.O. Box 30197  
 Nairobi  
 COUNTRY Kenya  
 STATUS governmental  
 university  
 SPONSORS UNEP, UNESCO, FAO  
 DIRECTOR Professor S.O. Keya  
 CURATORS Dr. D. Widdowson  
 MAIN SUBJECTS Agriculture  
 Forest microbiology  
 General microbiology  
 CULTURE HELD Bacteria (205)  
 DATE OF REPLY 7/ 3/85

DATE OF ENTRY 11/20/84

**REGISTRATION NUMBER 50**

ACRONYM DFF  
POSTAL ADDRESS  
CORRE. Dr. D. Chu  
FULL NAME Forest Pathology Culture Collection, Pacific Forest Research  
Centre  
INSTI. Canadian Forestry Service, Department of Agriculture  
ADDRESS 506 West Burnside Road  
Victoria  
British Columbia  
V8Z 1M5  
COUNTRY Canada  
STATUS governmental  
DIRECTOR Dr. T.E. Sterner  
CURATORS Dr. D. Morrison  
Miss. D. Chu  
MAIN SUBJECTS Forest microbiology  
CULTURE HELD Fungi (500)  
AVAILABILITY OF CULTURES  
Free  
SERVICES  
Identi. Wood-destroying hymenomyces  
DATE OF REPLY 7/16/85  
DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 51**

ACRONYM AC  
POSTAL ADDRESS  
CORRE. Dr. H. Hartmann  
INSTI. Research Station, Agriculture Canada  
ADDRESS 8801 East Saanich Road  
Sidney  
British Columbia  
V8L 1H3  
COUNTRY Canada  
STATUS governmental  
CURATORS Dr. H. Hartmann  
CULTURE HELD Bacteria (150)  
Fungi (50)  
DATE OF REPLY 9/ 5/85  
DATE OF ENTRY 10/14/81

**REGISTRATION NUMBER 52**

ACRONYM PDDCC  
POSTAL ADDRESS  
CORRE. Dr. J.M. Young  
FULL NAME Plant Diseases Division Culture Collection  
INSTI. Plant Diseases Division  
ADDRESS 120 Mt Albert Rd  
Auckland  
3  
COUNTRY New Zealand  
MAIL NUMBERS TEL Auckland09-893660  
TEX NZ21623

STATUS FAX Auckland09-863330  
 SPONSORS governmental  
 DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH  
 DIRECTOR Dr. J.M. Young  
 NUMBER OF STAFFS Bacteriology (2)  
 COMPUTER SPECIALIST D.W. Patfield  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Ecology  
 General microbiology  
 Plant pathology  
 Systematics and taxonomy  
 CULTURE HELD Bacteria (1400)  
 Fungi (170)  
 Yeasts (40)  
 AVAILABILITY OF CULTURES  
 Exchange/Fee  
 but favour of Curator  
 CATALOGUE No intention to publish  
 SERVICES Storage service (vacuum drying, under oil or  
 deep freeze(-80C)  
 Distribution (favour of Curator)  
 Identi. Bacteria (Agricultural Microorganisms, negotiated charge)  
 Fungi (Agricultural Microorganisms, negotiated charge)  
 Training Management of a culture collection  
 Culture and preservation methods  
 Use of computer in culture collections  
 Numerical taxonomy and/or probabilistic identification  
 Consul. Preservation  
 Propagation  
 Plant quarantine  
 DATE OF REPLY 12/ 1/87  
 DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 53**

ACRONYM MAO  
 POSTAL ADDRESS  
 CORRE. Dr. Mamadou Gueye  
 FULL NAME Mircen Afrique Ouest  
 INSTI. ISRA-CNRA  
 ADDRESS B.P. 53  
 Bambey  
 COUNTRY Senegal  
 MAIL NUMBERS TEL 73-60-50  
 TEX 3117 ISRA SG  
 SPONSORS UNESCO  
 DIRECTOR Mamadou Gueye  
 CURATORS Henri Diara (algology)  
 Messaoud Lahbib (Bacteriology (Rhizobiology))  
 Kalemami Mulongoy (Bacteriology (Rhizobiology))  
 Ibrahima Ndoye (Bacteriology (Rhizobiology))  
 Bassirou Sougoufara (Bacteriology (Rhizobiology))  
 Simon Badji (Bacteriology (Rhizobiology))  
 Ousmane Diagne (Bacteriology (Rhizobiology))  
 NUMBER OF STAFFS

MAIN SUBJECTS	Algology (1) Bacteriology (16) Agriculture Applied microbiology Culture and preservation methods Ecology Fermentation Forest microbiology Freeze drying
CULTURE HELD	Algae (10) Bacteria (200)
AVAILABILITY OF CULTURES	Free
CATALOGUE	Publish own catalogue once every 2 years Planning to publish in 1988
SERVICES	Storage service Distribution (Rhizobium strains inoculum)
Identi.	Bacteria (Rhizobium)
Training	Management of a culture collection Culture and preservation methods Quality control
DATE OF REPLY	12/15/87
DATE OF ENTRY	12/ 4/84

**REGISTRATION NUMBER 54**

ACRONYM	IEMVT
POSTAL ADDRESS	
CORRE.	Dr. Pierre-charles Lefevre
FULL NAME	Collection de L'I.E.M.V.T.
INSTI.	Institut D'elevage et de Medecine Veterinaire Des Pays Tropicaux/Cirad
ADDRESS	10, rue Pierre Curie Maisons-Alfort 94704
COUNTRY	France
MAIL NUMBERS	TEL 43.68.88.73 TEX 262017 F
STATUS	semi-governmental
DIRECTOR	Pierre-Charles Lefevre
CURATORS	Alain Breard (Mycoplasma + Pasteurella) Nguyen-Ba-Vy (Virus) Genevieve Libeau (Hybridoma) Adama Diallo (cDNA)
NUMBER OF STAFFS	
	Bacteriology (2) Virology (2)
MAIN SUBJECTS	Applied microbiology Veterinary
CULTURE HELD	Bacteria (538) Hybridomas: animal (15) Viruses: animal (40)
AVAILABILITY OF CULTURES	Exchange/Fee
CATALOGUE	Publish own catalogue once every 2 years Planning to publish in 1988
SERVICES	Storage service Distribution (Ruminants mycoplasma for FAO)
Identi.	Bacteria (Mycoplasma - Pasteurella - Actinobacilles)

Viruses (Rinderpest - PPR - Pox)  
DATE OF REPLY 11/23/87  
DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 56**

ACRONYM WCUM  
POSTAL ADDRESS  
CORRE. Prof. Rita R. Colwell  
FULL NAME Working Collection  
INSTI. University of Maryland  
ADDRESS Department of Microbiology  
College Park  
Maryland  
20783  
COUNTRY USA  
STATUS governmental  
university  
DIRECTOR Prof. Rita R. Colwell  
CURATORS Dr. D. Jay Grimes  
Ms. Phyllis Brayton  
Mr. David Swartz  
MAIN SUBJECTS General microbiology  
Marine biology  
Systematics and taxonomy  
CULTURE HELD Bacteria (3000)  
Viruses: bacteria (12)  
SERVICES  
Identi. Marine & estuarine bacteria  
DATE OF REPLY 1/15/86  
DATE OF ENTRY 1/ 3/85

**REGISTRATION NUMBER 57**

ACRONYM CB  
POSTAL ADDRESS  
CORRE. Dr. R.A. Date  
FULL NAME The CB Rhizobium Collection  
INSTI. C.S.I.R.O., Division of Tropical Crops and Pastures  
ADDRESS 306 Carmody Road, St. Lucia  
Brisbane  
Queensland  
4067  
COUNTRY Australia  
STATUS governmental  
CULTURE HELD Bacteria (1500)  
AVAILABILITY OF CULTURES Free  
CATALOGUE Publish only infrequently+-20% of collection  
DATE OF REPLY 5/ 5/88  
DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 59**

ACRONYM CCRC (<-FIRDI)  
POSTAL ADDRESS  
CORRE. Dr. Wen-Hwei Hsu  
FULL NAME Culture Collection and Research Center  
INSTI. Food Industry Research and Development Institute

ADDRESS	P.O. Box 246 Hsinchu Taiwan 30038
COUNTRY	Republic of China
MAIL NUMBERS	TEL 886-35-223191 FAX 886-35-214016
STATUS	semi-governmental
SPONSORS	Ministry of Economic Affairs
DIRECTOR	Dr. Wen-Hwei Hsu
CURATORS	Ping-Ping Chang (Bacteria) Gwo-Fang Yuan (Filamentous fungi) Guey-Yuh Liou (Filamentous fungi) Min Tseng (Actinomycetes) Fwu-Ling Lee (Yeast) Tzong-Tsann Wang (rDNA vector) Shiaw-Min Hwang (rDNA Host) Bor-Cheh Wang (Basidiomycetes)
NUMBER OF STAFFS	Bacteriology (10) Mycology (4) Assistants (7) Others (2)
COMPUTER SPECIALIST	1
MAIN SUBJECTS	Agriculture Applied microbiology Culture and preservation methods Environmental protection Fermentation Food science Forest microbiology Freeze drying General microbiology Genetic engineering Genetics Industrial microbiology Molecular biology Plant pathology Systematics and taxonomy
CULTURE HELD	Bacteria (1619) Fungi (835) Yeasts (724) Vectors (137) rDNA host cell (50)
AVAILABILITY OF	CULTURES
CATALOGUE	Exchange/Fee
SERVICES	Publish own catalogue once every year Storage service Distribution
Identi.	Bacteria Fungi Yeasts
Training	Culture and preservation methods Use of computer in culture collections
Consul.	Preservation Propagation
DATE OF REPLY	11/ 3/87
DATE OF ENTRY	1/21/85

**REGISTRATION NUMBER 60**

ACRONYM IFM  
 POSTAL ADDRESS  
 CORRE. Prof. M.D. Kazuko Nishimura  
 FULL NAME Research Center for Pathogenic Fungi and Microbial  
 Toxicoses, Chiba University  
 INSTI. Japanese Federation of Culture Collections  
 ADDRESS 1-8-1 Inohana  
 Chiba-shi  
 Chiba-ken  
 280  
 COUNTRY Japan  
 STATUS governmental  
 DIRECTOR Professor M.D. Makoto Miyaji  
 CURATORS Y. Mikami  
 R. Tanaka  
 K. Nishimura  
 MAIN SUBJECTS Medical microbiology  
 CULTURE HELD Bacteria (837)  
 Fungi (1208)  
 DATE OF REPLY 03/17/89  
 DATE OF ENTRY 01/30/85

**REGISTRATION NUMBER 61**

ACRONYM CC  
 POSTAL ADDRESS  
 CORRE. Dr. J. Brockwell  
 FULL NAME CSIRO Canberra Rhizobium Collection  
 INSTI. Division of Plant Industry, CSIRO  
 ADDRESS G.P.O. Box 1600  
 Canberra  
 ACT  
 2601  
 COUNTRY Australia  
 STATUS governmental  
 DIRECTOR Dr. W.J. Peacock  
 CURATORS Mr. J. Brockwell  
 MAIN SUBJECTS Agriculture  
 CULTURE HELD Bacteria (1200)  
 AVAILABILITY OF CULTURES  
 Free  
 DATE OF REPLY 7/12/85  
 DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 62**

ACRONYM NZFS  
 POSTAL ADDRESS  
 CORRE. Dr. P.D. Gadgil  
 FULL NAME New Zealand Forest Research Institute Culture Collection  
 INSTI. Forest Research Institute  
 ADDRESS Private Bag  
 Rotorua  
 COUNTRY New Zealand  
 MAIL NUMBERS TEL 73-475-899  
 TEX NZ 21080



STATUS FAX 479-380  
 SPONSORS governmental  
 DIRECTOR Ministry of Forestry  
 CURATORS Dr. C. Bassett  
 Mrs. M.A. Dick  
 NUMBER OF STAFFS  
 Mycology (2)  
 COMPUTER SPECIALIST  
 Mrs. M.A. Dick  
 MAIN SUBJECTS Forest microbiology  
 Plant pathology  
 Systematics and taxonomy  
 CULTURE HELD Bacteria (1)  
 Fungi (169)  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange/Fee  
 CATALOGUE SERVICES  
 Publish own catalogue once every year  
 Identi. Fungi (Tree pathogens, decay fungi)  
 Consul. Plant quarantine  
 DATE OF REPLY 1/19/88  
 DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 63**

ACRONYM ISC  
 POSTAL ADDRESS  
 CORRE. Dr. L. Le Minor  
 FULL NAME International Salmonella Centre (W.H.O.)  
 INSTI. Institut Pasteur  
 ADDRESS 28 Rue du Docteur Roux  
 Paris  
 75724 Cede  
 COUNTRY France  
 SPONSORS W.H.O. and Institut Pasteur  
 DIRECTOR Dr. L. Le Minor  
 MAIN SUBJECTS Medical microbiology  
 Veterinary  
 CULTURE HELD Bacteria (3000)  
 Viruses: bacteria (30)  
 AVAILABILITY OF CULTURES  
 Free  
 SERVICES  
 Identi. Salmonella  
 DATE OF REPLY 5/13/81  
 DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 64**

ACRONYM DMIV  
 POSTAL ADDRESS  
 CORRE. Prof. Savanat Tharavanij  
 FULL NAME Department of Microbiology and Immunology  
 INSTI. Faculty of Tropical Medicine, Mahidol University  
 ADDRESS 420/6 Rajvithi Road  
 Bangkok  
 COUNTRY Thailand

STATUS governmental  
 university  
 DIRECTOR Prof. Savanat Tharavanij  
 MAIN SUBJECTS Immunology  
 Medical microbiology  
 CULTURE HELD Bacteria (34)  
 Protozoa (8)  
 Cell lines: animl (3)  
 DATE OF REPLY 1/ 7/86  
 DATE OF ENTRY 1/29/86

**REGISTRATION NUMBER 65**

ACRONYM CCM  
 POSTAL ADDRESS  
 CORRE. Dr. M. Kocur  
 FULL NAME Czechoslovak Collection of Microorganisms  
 ADDRESS tr. Obrancu miru 10  
 Brno  
 662 43  
 COUNTRY Czechoslovakia  
 MAIL NUMBERS TEL 23407  
 STATUS semi-governmental  
 university  
 SPONSORS University of J.E. Purkyne Brno  
 DIRECTOR Dr. M. Kocur  
 CURATORS Dr. Z. Pacova (Bacteria)  
 Dr. M. Sovadina (Bacteria)  
 Dr. L. Marvanova (Fungi)  
 NUMBER OF STAFFS  
 Bacteriology (7)  
 Mycology (2)  
 Assistants (6)  
 Others (3)  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Biochemistry  
 Culture and preservation methods  
 Freeze drying  
 General microbiology  
 Industrial microbiology  
 Medical microbiology  
 Systematics and taxonomy  
 CULTURE HELD Bacteria (1400)  
 Fungi (490)  
 AVAILABILITY OF CULTURES  
 Fee  
 CATALOGUE SERVICES Planning to publish in 1988  
 Patent deposits (bacteria, fungi)  
 Storage service (bacteria, fungi)  
 Distribution (bacteria, fungi)  
 Identi. Bacteria (aerobic bacteria)  
 Fungi (Deuteromycetes, Ascomycetes, Mucorales)  
 Training Management of a culture collection  
 Culture and preservation methods  
 Consul. Patent deposits  
 Preservation  
 Propagation  
 Shipment regulations

Animal quarantine  
Plant quarantine  
DATE OF REPLY 11/23/87  
DATE OF ENTRY 10/14/81

**REGISTRATION NUMBER 66**

ACRONYM BTCC  
POSTAL ADDRESS  
CORRE. Prof. Dr. N. Stojtschew  
FULL NAME Bulgarian Type Culture Collection  
INSTI. Institute for State Control of Drugs  
ADDRESS Vladimir Zaimov No. 26  
Sofia  
COUNTRY Bulgaria  
STATUS governmental  
DIRECTOR Assoc. Prof. P. Zikolov  
CURATORS Prof. Dr. N. Stojtschew  
Dr. L. Ivanova  
MAIN SUBJECTS General microbiology  
Genetics (bacteria and plasmid)  
Medical microbiology  
CULTURE HELD Bacteria (4500)  
Fungi (340)  
Yeasts (32)  
Viruses: bacteria (20)  
Bacterial plasm (50)  
Identi. Organisms pathogenic for man  
DATE OF REPLY 12/23/85  
DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 67**

ACRONYM NHL  
POSTAL ADDRESS  
CORRE. Dr. S. Udagawa  
FULL NAME National Hygienic Laboratory  
INSTI. National Institute of Hygienic Sciences  
ADDRESS 1-18-1 Kamiyoga, Setagaya-ku  
Tokyo  
158  
COUNTRY Japan  
MAIL NUMBERS TEL 03-700-1141  
FAX 03-707-6950  
STATUS governmental  
DIRECTOR Dr. K. Mise, Division of Microbiology  
CURATORS Dr. S. Udagawa (Mycology)  
NUMBER OF STAFFS Bacteriology (11)  
Mycology (3)  
MAIN SUBJECTS Applied microbiology  
Ecology  
Environmental protection  
Food science  
General microbiology  
Genetic engineering  
Immunology  
Medical microbiology  
Molecular biology

Pharmacology  
 Systematics and taxonomy

AVAILABILITY OF CULTURES  
 Exchange

CATALOGUE No intention to publish

SERVICES Storage service (mycotoxin-producing fungi)  
 Distribution (test organisms for JP-X)

Identi. Fungi (Food-borne fungi, Human pathogenic fungi)  
 Consul. Mycotoxins

DATE OF REPLY 6/20/88

DATE OF ENTRY 1/31/85

**REGISTRATION NUMBER 68**

ACRONYM CUHK

POSTAL ADDRESS

CORRE. Prof. S.T. Chang  
 INSTI. Biology Department., Chinese University of Hong Kong  
 ADDRESS Shatin, New Territories  
 Hong Kong

COUNTRY Hong Kong

MAIL NUMBERS TEL 06952286  
 TEX 50301 CUHK HX  
 FAX 852-0-695423

STATUS university

SPONSORS Prof. S.T. Chang, Mr. Wai Chun Chung.

DIRECTOR Prof. S.T. Chang

NUMBER OF STAFFS Assistants (1)

COMPUTER SPECIALIST Mr. W.C.Chan

MAIN SUBJECTS Culture and preservation methods  
 Genetics

CULTURE HELD Fungi (60)

AVAILABILITY OF CULTURES Exchange/Fee

CATALOGUE Publish own catalogue once every 2 years

SERVICES Storage service

DATE OF REPLY 6/20/87

DATE OF ENTRY 4/23/85

**REGISTRATION NUMBER 70**

ACRONYM CSCC

POSTAL ADDRESS

CORRE. Dr. R.J. Milner  
 FULL NAME CSIRO Insect Pathogen Culture Collection  
 INSTI. Commonwealth Scientific and Industrial Research  
 Organisation, Division of Entomology

ADDRESS P.O. Box 1700  
 Canberra  
 A.C.T.  
 2601

COUNTRY Australia

STATUS governmental

DIRECTOR Dr. M. Whitten

CURATORS Dr. Richard J. Milner

MAIN SUBJECTS Insect microbiology

CULTURE HELD Bacteria (16)

Fungi (250)  
Protozoa (11)  
Viruses: insect (22)  
AVAILABILITY OF CULTURES Free  
DATE OF REPLY 6/21/85  
DATE OF ENTRY 10/20/81

REGISTRATION NUMBER 73

ACRONYM UAMH  
POSTAL ADDRESS  
CORRE. Ms. L. Sigler  
FULL NAME University of Alberta Microfungus Collection and Herbarium  
INSTI. University of Alberta  
ADDRESS Edmonton  
Alberta  
T6G 2E1  
COUNTRY Canada  
MAIL NUMBERS TEL 403-987-3054  
STATUS university  
SPONSORS University of Alberta  
DIRECTOR L. Sigler  
CURATORS L. Sigler (Mycology Fungi imperfecti, Ascomycetes)  
R. Currah (.3FTE) (Basidiomycetes, Ascomycetes)  
NUMBER OF STAFFS  
Mycology (1.3)  
Assistants (1.5)  
Others (0.3)  
MAIN SUBJECTS Agriculture  
Culture and preservation methods  
Forest microbiology  
General microbiology  
Medical microbiology  
Systematics and taxonomy  
Veterinary  
CULTURE HELD Algae (2)  
Bacteria (29)  
Fungi (5200) including yeasts  
AVAILABILITY OF CULTURES Free  
Exchange/Fee  
CATALOGUE Publish own catalogue once every year  
SERVICES Storage service  
Distribution  
Identi. Fungi  
Training Culture and preservation methods  
Use of computer in culture collections  
Consul. Preservation  
Propagation  
Shipment regulations  
Animal quarantine  
Plant quarantine  
Taxonomy  
DATE OF REPLY 10/30/87  
DATE OF ENTRY 10/20/81

REGISTRATION NUMBER 75

ACRONYM CISM  
 POSTAL ADDRESS  
 CORRE. Dr. D.P. Beck  
 FULL NAME NifTAL Rhizobium Collection (Asia Center)  
 INSTI. University of Hawaii NifTAL Project  
 ADDRESS P.O. Box 1051-9  
 Bangkok  
 10903  
 COUNTRY Thailand  
 STATUS governmental  
 DIRECTOR Dr. D.P. Beck  
 CURATORS Dr. N. Boonkerd  
 MAIN SUBJECTS Agriculture  
 CULTURE HELD Bacteria (1000)  
 DATE OF REPLY 4/26/85  
 DATE OF ENTRY 09/05/85

REGISTRATION NUMBER 76

ACRONYM UPRM  
 POSTAL ADDRESS  
 CORRE. Dr. Eduardo C. Schroder  
 FULL NAME Rhizobium Culture Collection  
 INSTI. University of Puerto Rico  
 ADDRESS Department of Agronomy and Soils  
 Mayaguez  
 Puerto Rico  
 00709-5000  
 COUNTRY USA  
 MAIL NUMBERS TEL 809-832-3980  
 TEX 385-04471  
 STATUS university  
 SPONSORS University of Puerto Rico  
 DIRECTOR Dr. Eduardo C. Schroder  
 CURATORS Myrna Alameda (Bacteria)  
 NUMBER OF STAFFS  
 Bacteriology (1)  
 Mycology (1)  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Ecology  
 Molecular biology  
 Plant pathology  
 SUBCOLLECTIONS Rhizobium strains for Trees <(Legumes)>  
 CULTURE HELD Bacteria (400)  
 Fungi (1)  
 Viruses: bacteria (15)  
 AVAILABILITY OF CULTURES  
 Free  
 CATALOGUE Need help to publish  
 DATE OF REPLY 3/23/88  
 DATE OF ENTRY 9/ 5/85

REGISTRATION NUMBER 77

ACRONYM WA  
 POSTAL ADDRESS  
 CORRE. Mr. R.G. Shivas  
 FULL NAME Plant Research Division Culture Collection

INSTL. Western Australian Department of Agriculture  
ADDRESS Baron-May Covrt  
South Perth  
Western Australia  
6151  
COUNTRY Australia  
MAIL NUMBERS TEL 09-368-3377  
TEX AA93304  
STATUS governmental  
SPONSORS Western Australia Department of Agriculture  
DIRECTOR Dr. A.G.P. Brown  
CURATORS Mr. R.G. Shivas (Mycology, Bacteriology)  
NUMBER OF STAFFS Assistants (1)  
MAIN SUBJECTS Agriculture  
Plant pathology  
General microbiology  
CULTURE HELD Bacteria (930)  
Fungi (3975)  
Yeasts (66)  
Viruses: plant (38)  
AVAILABILITY OF CULTURES Free  
CATALOGUE Planning to publish in 1988  
SERVICES Storage service  
DATE OF REPLY 10/28/87  
DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 78**

ACRONYM SBSFU  
POSTAL ADDRESS  
CORRE. Dr. D.E.A. Catcheside  
FULL NAME School of Biological Sciences  
INSTL. Flinders University  
ADDRESS Bedford Park  
South Australia  
5042  
COUNTRY Australia  
STATUS university  
DIRECTOR Dr. D.E.A. Catcheside  
MAIN SUBJECTS Genetics  
CULTURE HELD Fungi (4000)  
DATE OF REPLY 6/ 6/85  
DATE OF ENTRY 9/ 5/85

**REGISTRATION NUMBER 80**

ACRONYM DMCUWO  
POSTAL ADDRESS  
CORRE. Prof. R.G.E. Murray  
FULL NAME Department of Microbiology UWO Collection  
INSTL. University of Western Ontario, Health Sciences Centre  
ADDRESS London  
Ontario  
N6A 5C1  
COUNTRY Canada  
STATUS university  
DIRECTOR Prof. N.R. Sinclair

MAIN SUBJECTS General microbiology  
Medical microbiology  
CULTURE HELD Bacteria (1210)  
DATE OF REPLY 5/ 9/85  
DATE OF ENTRY 10/20/81

REGISTRATION NUMBER 81

ACRONYM CRORA (<-IPD)  
POSTAL ADDRESS  
CORRE. Dr. Digoutte  
FULL NAME Centre Collaborateur O.M.S. de Reference et de Recherche  
pourles Arbovirus  
INSTI. Institut Pasteur de Dakar  
ADDRESS Boulwaid Pasteur  
Dakar  
Senegal  
B.P.220  
COUNTRY Senegal  
MAIL NUMBERS TEL 225181-220883  
TEX 3241PASTEUR SG  
STATUS private  
DIRECTOR Digoutte Jean Pierre  
NUMBER OF STAFFS Virology (1)  
COMPUTER SPECIALIST 1  
MAIN SUBJECTS Applied microbiology  
Ecology  
Systematics and taxonomy  
CULTURE HELD Viruses: animal (184)  
AVAILABILITY OF CULTURES Free  
CATALOGUE Publish own catalogue once every year  
Catalogue Published in Annual Report  
SERVICES Storage service  
Distribution  
Identi. Viruses  
DATE OF REPLY 10/29/87  
DATE OF ENTRY 10/20/81

REGISTRATION NUMBER 82

ACRONYM VRIT  
POSTAL ADDRESS  
CORRE. Dr. Chuinrudee Jayavasu  
FULL NAME Virus Research Institute  
INSTI. Virus Research Institute  
ADDRESS Tivanonda Road  
Nonthaburi  
11000  
COUNTRY Thailand  
STATUS governmental  
DIRECTOR Dr. Chuinrudee Jayavasu  
NUMBER OF STAFFS Virology (2)  
MAIN SUBJECTS Applied microbiology  
Culture and preservation methods  
Genetic engineering



CULTURE HELD Medical microbiology  
Cell lines: animal (2)  
Viruses: animal (2)

SERVICES  
Identi. Cell lines  
Viruses

DATE OF REPLY 11/ 2/88  
DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 83**

ACRONYM AHRL  
POSTAL ADDRESS  
CORRE. Dr. L.C. Lloyd  
FULL NAME Animal Health Research Laboratory  
INSTI. CSIRO, Division of Animal Health  
ADDRESS Private Bag No. 1  
Parkville  
Victoria  
3052

COUNTRY Australia  
STATUS governmental  
DIRECTOR Dr. T.J. Bagust  
CURATORS Dr. T.J. Bagust (poultry virology)  
Dr. D.J. Stewart (Veterinary bacteriology)  
Mr. G.S. Cottew (Mycoplasmas)

MAIN SUBJECTS Veterinary  
CULTURE HELD Bacteria (6)  
Viruses: animal (5)

AVAILABILITY OF CULTURES  
Free

SERVICES  
Identi. Mycoplasmas

DATE OF REPLY 4/24/85  
DATE OF ENTRY 5/31/82

**REGISTRATION NUMBER 85**

ACRONYM FUSC  
POSTAL ADDRESS  
CORRE. Dr. G.C. Kirby  
FULL NAME Flinders University Smut Collection  
INSTI. School of Biological Sciences  
ADDRESS Flinders University  
Bedford Park  
South Australia  
5042

COUNTRY Australia  
STATUS university  
CURATORS Dr. Gregory C. Kirby

MAIN SUBJECTS Smut fungi  
CULTURE HELD Fungi (1500)

DATE OF REPLY 7/ 6/85  
DATE OF ENTRY 9/ 5/85

**REGISTRATION NUMBER 87**

ACRONYM SCC  
POSTAL ADDRESS

CORRE. Mrs. Marcia C. Shearer  
 FULL NAME Schering Corporation  
 ADDRESS 60 Orange Street  
 Bloomfield, NJ  
 New Jersey  
 07003

COUNTRY USA  
 MAIL NUMBERS TEL 201-429-4438  
 STATUS industrial  
 DIRECTOR Dr. Ann C. Horan  
 CURATORS Marcia C. Shearer (Bacteriology/ Culture Preservation)  
 Beverly Brodsky (Bacteriology)

NUMBER OF STAFFS Bacteriology (2)

MAIN SUBJECTS Applied microbiology  
 Culture and preservation methods  
 Industrial microbiology  
 Systematics and taxonomy

CULTURE HELD Bacteria (3000)  
 AVAILABILITY OF CULTURES  
 Through ATCC or NRRL or by special arrangement only;  
 no change for Special arrangements  
 No intention to publish  
 Patent deposits (service only available to scientists within  
 Schering Corporation)

DATE OF REPLY 4/ 6/88  
 DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 88**

ACRONYM CRCC  
 POSTAL ADDRESS

CORRE. Dr. J.D. Oates  
 FULL NAME Cereal Rust Culture Collection  
 INSTI. University of Sydney  
 ADDRESS 49 Old Castle Hill Road  
 Castle Hill  
 New South Wales  
 2154

COUNTRY Australia  
 STATUS university  
 DIRECTOR Prof. B.D.H. Latter  
 CURATORS Mr. D.J.S. Gow  
 MAIN SUBJECTS Agriculture  
 Plant breeding  
 Plant pathology

CULTURE HELD Fungi (432)  
 SERVICES  
 Identi. All Puccinia species of cereals

DATE OF REPLY 6/13/85  
 DATE OF ENTRY 9/ 5/85

**REGISTRATION NUMBER 89**

ACRONYM DMUM  
 POSTAL ADDRESS

CORRE. Dr. P. Maeba  
 FULL NAME Department of Microbiology  
 INSTI. University of Manitoba

ADDRESS Department of microbiology  
 Winnipeg  
 Manitoba  
 R3T 2N2  
 COUNTRY Canada  
 MAIL NUMBERS TEL 1-204-474-9690  
 STATUS university  
 SPONSORS University  
 DIRECTOR P. Maeba (General microbiology)  
 CURATOR P. Maeba (General microbiology)  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Bacteriology (1)  
 Biochemistry  
 General microbiology  
 CULTURE HELD Bacteria (300)  
 Fungi (20)  
 Yeasts (10)  
 AVAILABILITY OF CULTURES  
 Free  
 CATALOGUE No intention to publish  
 SERVICES Storage service  
 DATE OF REPLY 10/30/87  
 DATE OF ENTRY 10/20/81

**REGISTRATION NUMBER 90**

ACRONYM SMTWA  
 POSTAL ADDRESS  
 CORRE. Dr. W.B. Grubb  
 FULL NAME School of Medical Technology Western Australia  
 INSTI Curtin University of Technology  
 ADDRESS GPO Box U1987  
 Perth  
 Western Australia  
 6001  
 COUNTRY Australia  
 MAIL NUMBERS TEL 09-350-7374  
 TEX AA92983  
 FAX 09-458-4661  
 STATUS university  
 DIRECTOR Dr. W.B. Grubb  
 CURATORS Ms. Sandra Bolton (Bacteriology)  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Bacteriology (2)  
 Genetics  
 Medical microbiology  
 SUBCOLLECTIONS Dr. W.B. Grubb <Staphylococci and staphylococcal plasmids>  
 CULTURE HELD Bacteria (4600)  
 Plasmids (100)  
 Viruses: bacteria (20)  
 AVAILABILITY OF CULTURES  
 As resources allow  
 CATALOGUE Need help to publish  
 DATE OF REPLY 4/15/88  
 DATE OF ENTRY 9/ 5/85

**REGISTRATION NUMBER 91**

ACRONYM UWO

POSTAL ADDRESS

CORRE. Mrs. Susan Legeza  
 FULL NAME Culture Collection, Department of Plant Sciences  
 INSTI. University of Western Ontario  
 ADDRESS London  
 Ontario  
 N6A 5B7  
 COUNTRY Canada  
 STATUS university  
 DIRECTOR Dr. A.D. Day  
 CURATORS Dr. W.E. McKeen  
 Dr. M.A. Lachance (fungi)  
 Dr. L. Brown (algae)  
 MAIN SUBJECTS General microbiology  
 CULTURE HELD Algae (133)  
 Bacteria (14)  
 Fungi (700)  
 Yeasts (2500)  
 AVAILABILITY OF CULTURES  
 Fee  
 SERVICES  
 Identi. Yeasts only  
 DATE OF REPLY 9/26/85  
 DATE OF ENTRY 10/16/81

REGISTRATION NUMBER 92

ACRONYM PDDPN (<-PDD)  
 POSTAL ADDRESS  
 CORRE. Dr. G.C.M. Latch  
 FULL NAME Plant Diseases Division, Palmerston North  
 INSTI. Plant Diseases Division, DSIR  
 ADDRESS Private Bag  
 Palmerston North  
 COUNTRY New Zealand  
 MAIL NUMBERS TEL 063-68019  
 TEX NZ PALMSIR 31285  
 FAX 011-6463-611309  
 STATUS governmental  
 DIRECTOR Dr. G.C.M. Latch  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Mycology (1)  
 Agriculture  
 Insect pathology  
 Plant pathology  
 CULTURE HELD Fungi (330)  
 AVAILABILITY OF CULTURES  
 Free  
 CATALOGUE Planning to publish in 1990  
 SERVICES Storage service  
 Identi. Fungi (Plant pathogens and endophytes)  
 DATE OF REPLY 2/ 4/88  
 DATE OF ENTRY 9/ 5/85

REGISTRATION NUMBER 93

ACRONYM SMCC  
 POSTAL ADDRESS

CORRE. Dr. J.R. Harris  
FULL NAME Soil Microbiology Culture Collection  
INSTI. CSIRO, Division of Soils  
ADDRESS Private Bag No. 2  
Glen Osmond  
South Australia  
5064

COUNTRY Australia  
STATUS governmental  
DIRECTOR Dr. D.E. Smiles  
CURATORS J.R. Harris  
MAIN SUBJECTS Agriculture  
Fungal pathogenicity  
General microbiology  
Mycorrhizae  
CULTURE HELD Bacteria (100)  
Fungi (2000)  
AVAILABILITY OF CULTURES Free  
DATE OF REPLY 3/ 3/86  
DATE OF ENTRY 5/31/82

REGISTRATION NUMBER 95

ACRONYM CISM  
POSTAL ADDRESS  
CORRE. Dr. Antonio Castrejon-Sanguino  
FULL NAME Verticillium dahliae from cotton  
INSTI. CIAN - INIFAP - SARH  
ADDRESS Apartado 247  
Torreon  
Coah  
27000

COUNTRY Mexico  
MAIL NUMBERS TEL 176-201-02  
STATUS governmental  
SPONSORS Inifap-sarh  
DIRECTOR Antonio Castrejon-Sanguino  
CURATORS Jazmin Chew (Plant pathology)  
Alfredo Samaniego (Plant pathology)

NUMBER OF STAFFS

Mycolgy (3)  
MAIN SUBJECTS Agriculture  
Plant pathology  
SUBCOLLECTIONS Fungi from siol <Antagonist to Phymatotrichum omnivorum>  
CULTURE HELD Fungi (70)  
AVAILABILITY OF CULTURES Free  
CATALOGUE No intention to publish  
SERVICES  
Identi. Fungi (Cotton pathogenic)  
DATE OF REPLY 11/10/87  
DATE OF ENTRY 9/ 5/85

REGISTRATION NUMBER 97

ACRONYM NRRL  
POSTAL ADDRESS  
CORRE. Dr. C.P. Kurtzman

FULL NAME Agricultural Research Service Culture Collection  
 INSTI. Northern Regional Research Center, ARS/USDA  
 ADDRESS 1815 North University Street  
 Peoria  
 Illinois  
 61604

COUNTRY USA  
 MAIL NUMBERS TEL 309-685-4011 EXT385  
 E-mail Telemail:RL.MPR

STATUS governmental  
 SPONSORS Agricultural Research Service, U.S. Department of Agriculture  
 DIRECTOR Dr. C.P. Kurtzman  
 CURATORS L.K. Nakamura (Bacterial taxonomy)  
 C.P. Kurtzman (Yeast taxonomy)  
 J.J. Ellis (Fusarium, Mucorales taxonomy)  
 S.W. Peterson (Aspergillus/Penicillium taxonomy)  
 D.P. Labeda (Actinomycetes taxonomy)  
 A.J. Lyons (ARS Patent Culture Collection)

NUMBER OF STAFFS  
 Bacteriology (3)  
 Mycology (3)  
 Assistants (6)

COMPUTER SPECIALIST  
 D.P. Labeda

MAIN SUBJECTS  
 Agriculture  
 Applied microbiology  
 Biochemistry  
 Culture and preservation methods  
 Fermentation  
 Freeze drying  
 Environmental protection  
 Evolutionary biology  
 Food science  
 General microbiology  
 Genetic engineering  
 Genetics  
 Industrial microbiology  
 Molecular biology  
 Systematics and taxonomy

CULTURE HELD  
 Algae (10)  
 Actinomycetales (9200)  
 Bacteria (10300)  
 Fungi (44000)  
 Yeasts (14500)

AVAILABILITY OF CULTURES  
 Free  
 Exchange

CATALOGUE SERVICES  
 No intention to publish  
 Patent deposits (nonpathogenic, nonfastidious actinomycetes,  
 bacteria, filamentous fungi, yeasts)

Identi. Bacteria (by prior arrangement)  
 Fungi (by prior arrangement)  
 Yeasts (by prior arrangement)  
 (Unscheduled, by prior arrangement)

Training Management of a culture collection  
 Culture and preservation methods  
 Molecular Taxonomy

Consul. Patent deposits  
 Preservation

DATE OF REPLY 12/ 7/87  
DATE OF ENTRY 10/16/81

**REGISTRATION NUMBER 98**

ACRONYM RAC  
POSTAL ADDRESS  
CORRE. Mr. John T. Jennings  
FULL NAME Microbiology Teaching Coll.  
INSTI. Roseworthy Agricultural College  
ADDRESS Roseworthy  
South Australia  
5371  
COUNTRY Australia  
MAIL NUMBERS TEL 085-248057  
TEX AA151224 MAILBOX MY122U  
FAX 085-248007  
STATUS university  
DIRECTOR John T. Jennings  
CURATORS P. Pittaway (Mycology)  
NUMBER OF STAFFS  
MAIN SUBJECTS Assistants (1)  
Agriculture  
Ecology  
General microbiology  
Plant pathology  
Teaching  
CULTURE HELD Algae (2)  
Bacteria (20)  
Fungi (26)  
Slime mould (1)  
AVAILABILITY OF CULTURES Free  
CATALOGUE No intention to publish  
DATE OF REPLY 11/ 6/88  
DATE OF ENTRY 9/ 5/85

**REGISTRATION NUMBER 99**

ACRONYM ITD  
POSTAL ADDRESS  
CORRE. Dr. M.J. Quintero  
FULL NAME Coleccion de Cepas Microbianas  
INSTI. Instituto Tecnologico de Durango  
ADDRESS Felipe Pescador 1830  
Durango  
COUNTRY Mexico  
STATUS governmental  
DIRECTOR Ruben Gonzalez L.  
CURATORS M.J. Quintero  
MAIN SUBJECTS Agriculture  
General microbiology  
Industrial microbiology  
CULTURE HELD Algae (5)  
Bacteria (35)  
Fungi (23)  
Yeasts (6)  
SERVICES

Identi. Bacteria  
DATE OF REPLY 6/13/85  
DATE OF ENTRY 9/ 5/85

**REGISTRATION NUMBER 100**

ACRONYM CFQ  
POSTAL ADDRESS  
CORRE. Dr. Olga Velazquez Madrazo  
FULL NAME Cepario de la Facultad de Quimica  
INSTI. Universidad Nacional Autonoma de Mexico (UNAM)  
ADDRESS Av. Insurgentes Sur y Copilco  
Ciudad Universitaria, Del  
Mexico.D.F.  
04510  
COUNTRY Mexico  
STATUS university  
DIRECTOR Olga Velazquez Madrazo  
CURATORS M. Jiminez Castaneda  
C. Fragoso Lopez and P. Fosado Monzalvo  
MAIN SUBJECTS Agriculture  
General microbiology  
Industrial microbiology  
Medical microbiology  
CULTURE HELD Bacteria (180)  
Fungi (40)  
Viruses: bacteria (3)  
Yeasts (40)  
DATE OF REPLY 6/21/85  
DATE OF ENTRY 9/ 5/85

**REGISTRATION NUMBER 101**

ACRONYM KUKENS  
POSTAL ADDRESS  
CORRE. Prof. Dr. Enver Tali Cetin  
FULL NAME Center for Culture Collections of Microorganisms  
ADDRESS Temel Bilimler  
Istanbul  
Binasi-Capa  
34390  
COUNTRY Turkey  
MAIL NUMBERS TEL 5255504  
STATUS university  
SPONSORS Rahmiye Berkiten, Nezahat Gurler, Sengul Derbentli, Gulsen Aktan.  
DIRECTOR Prof. Dr. Enver Tali Cetin  
CURATORS Rahmiye Berkiten (Microbiologist (Assoc Prof Dr.))  
Nezahat Gurler (Microbiologist (Dr.))  
Sengul Derbentli (Microbiologist)  
Gulsen Aktan (Microbiologist)  
NUMBER OF STAFFS  
Bacteriology (2)  
Cell biology (1)  
Mycology (3)  
Protozoology (2)  
Virology (1)  
Assistants (2)  
Others (2)



MAIN SUBJECTS Culture and preservation methods  
 Freeze drying  
 General microbiology  
 Industrial microbiology  
 Medical microbiology  
 CULTURE HELD Bacteria (1400)  
 Fungi (150)  
 Yeasts (150)  
 Protozoa (8)  
 Cell lines: animal (3)  
 Viruses: animal (8)  
 AVAILABILITY OF CULTURES Free  
 CATALOGUE Publish own catalogue once every 10 years  
 Planning to publish in 1990  
 SERVICES  
 Identi. Bacteria  
 Fungi  
 Yeasts  
 Cell lines  
 Viruses  
 Training Culture and preservation methods  
 DATE OF REPLY 1/ 7/88  
 DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 102

ACRONYM DFP  
 POSTAL ADDRESS  
 CORRE. Dr. G.C. Johwson  
 FULL NAME DFP Culture Collection  
 INSTI. Commonwealth Scientific and Industrial Research Orgaization,  
 Division of Chemical and Wood Technology  
 ADDRESS Graham Rd.  
 Highett  
 Victoria  
 3190  
 COUNTRY Australia  
 MAIL NUMBERS TEL 556-2211  
 TEX AA33766  
 FAX 0011-613-556-2644  
 STATUS governmental  
 DIRECTOR G.C. Johnson, Fungi Imperfecti, Aphylophorales  
 NUMBER OF STAFFS Assistants (1)  
 MAIN SUBJECTS Forest microbiology  
 Timber-in-service microbiology  
 CULTURE HELD Fungi (3200)  
 Yeasts (3)  
 AVAILABILITY OF CULTURES Free (10(Anst)/Culture to Cover Costs)  
 CATALOGUE No intention to publish  
 DATE OF REPLY 10/27/87  
 DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 103

ACRONYM FCUP  
 POSTAL ADDRESS

CORRE. Dr. Tricita H. Quimio  
 FULL NAME Culture Collection of Edible Mushrooms  
 INSTI. Department of Plant Pathology, University of The Philippines  
 at Los Banos  
 ADDRESS Dept. of Plant Pathology  
 Los Banos  
 Laguna  
 40-31  
 COUNTRY Philippines  
 MAIL NUMBERS TEL 26-17  
 STATUS university  
 CURATORS Tricita H. Quimio  
 MAIN SUBJECTS Agriculture  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange/Fee  
 CATALOGUE Planning to publish in 1989  
 SERVICES Distribution  
 DATE OF REPLY 1/ 6/88  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 104**

ACRONYM INIF  
 POSTAL ADDRESS  
 CORRE. Dr. Q.B.P.Ma. del Socorro Gomez-Nava  
 FULL NAME Coleccion de Microhongos  
 INSTI. Centro de Investigaciones Forestales y Agropecuarias del  
 Distrito Federal  
 ADDRESS Av. Progreso No.5, Coyoacan 21  
 Ciudad de Mexico  
 Mexico, D.F., C.P.  
 04110  
 COUNTRY Mexico  
 STATUS governmental  
 DIRECTOR Q.B.P. Maria del Socorro Gomez-Nava  
 MAIN SUBJECTS Forest microbiology  
 CULTURE HELD Fungi (1016)  
 Identi. Some species of Aspergillus, Fusarium, Alternaria  
 DATE OF REPLY 7/22/85  
 DATE OF ENTRY 9/18/85

**REGISTRATION NUMBER 105**

ACRONYM LOCK  
 POSTAL ADDRESS  
 CORRE. Dr. Helena Stobinska  
 FULL NAME Centre of Industrial Microorganisms Collection  
 INSTI. Institute of Fermentation Technology and Microbiology  
 ADDRESS Gdanska 166  
 Lodz  
 COUNTRY Poland  
 STATUS university  
 DIRECTOR Dr. Helena Oberman  
 CURATORS Dr. Helena Oberman  
 MAIN SUBJECTS General microbiology  
 Industrial microbiology  
 CULTURE HELD Bacteria (42)  
 Fungi (178)

AVAILABILITY OF CULTURES Yeasts (186)  
Free  
DATE OF REPLY 5/17/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 106**

ACRONYM PCM  
POSTAL ADDRESS  
CORRE. Dr. Stefan Rowinski  
FULL NAME Polish Collection of Microorganisms / Central Centre of  
Microorganisms Collections/  
INSTI. Institute of Immunology and Experimental Therapy of the  
Polish Academy of Sciences  
ADDRESS Czerna 12  
Wroclaw  
53-114  
COUNTRY Poland  
MAIL NUMBERS TEL 67-90-81  
TEX 0715121 int pl  
STATUS governmental  
SPONSORS Polish Academy of Sciences  
DIRECTOR Prof. Marian Mordarski  
CURATORS Dr. Stefan Rowinski (Bacteriology)  
NUMBER OF STAFFS Bacteriology (2)  
COMPUTER SPECIALIST  
MAIN SUBJECTS Dr. Antoni Zwiefka  
General microbiology  
Immunology  
Medical microbiology  
CULTURE HELD Bacteria (2000)  
AVAILABILITY OF CULTURES Free  
Exchange  
CATALOGUE Included in a regional catalogue  
SERVICES Distribution  
Consul. Preservation  
Propagation  
DATE OF REPLY 11/17/87  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 107**

ACRONYM NTCCI  
POSTAL ADDRESS  
CORRE. Prof. G. Ramananda Rao  
FULL NAME Culture Collection, Microbiology and Cell Biology Laboratory  
INSTI. Indian Institute of Science  
ADDRESS Bangalore  
Karnataka  
560012  
COUNTRY India  
STATUS university  
DIRECTOR Prof. G. Ramananda Rao  
CURATORS Prof. G. Ramananda Rao and Mrs  
MAIN SUBJECTS Agriculture  
General microbiology

Insect microbiology  
 Plasmids and protoplasts  
 CULTURE HELD Bacteria (214)  
 Fungi (78)  
 Yeasts (43)  
 Cell lines: animl (10)  
 Viruses: animal (3)  
 Viruses: bacteria (11)  
 AVAILABILITY OF CULTURES  
 Free  
 SERVICES  
 Identi. Bacteria  
 Fungi  
 Actinomycetes  
 DATE OF REPLY 12/ 4/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 108**

ACRONYM FCT  
 POSTAL ADDRESS  
 CORRE. Dr. T.J. Wardlaw  
 FULL NAME FCT  
 INSTI. Forestry Commission Tasmania  
 ADDRESS 199 MacQuarie Street  
 Hobart  
 Tasmania  
 COUNTRY Australia  
 STATUS governmental  
 DIRECTOR J.R. Quick  
 CURATORS Timothy J. Wardlaw  
 MAIN SUBJECTS Forest microbiology  
 CULTURE HELD Fungi (35)  
 DATE OF REPLY 7/ 8/85  
 DATE OF ENTRY 9/30/85

**REGISTRATION NUMBER 109**

ACRONYM FTPT  
 POSTAL ADDRESS  
 CORRE. Dr. Vanderlei Perez Canhos  
 FULL NAME Tropical Culture Collection  
 INSTI. Fund. Trop. Pes. Tecn. "Andre Tosello"  
 ADDRESS Latino Coelho, 1301  
 Campinas  
 Sao Paulo  
 COUNTRY Brazil  
 STATUS private  
 DIRECTOR Manager Dora A.L. Canhos  
 CURATORS Prof. Vanderlei Perez Canhos  
 MAIN SUBJECTS Industrial microbiology  
 CULTURE HELD Bacteria (100)  
 Fungi (100)  
 Yeasts (100)  
 SERVICES  
 Identi. Bacteria  
 DATE OF REPLY 2/ 8/85  
 DATE OF ENTRY 9/30/85

**REGISTRATION NUMBER 110**

ACRONYM IBSBF  
POSTAL ADDRESS  
CORRE. Dr. Julio Rodrigues Neto  
FULL NAME Culture Collection of Phytobacteriology Section  
INSTI. Instituto Biologico  
ADDRESS Cx. Postal 70  
Campinas  
Sao Paulo  
13.100  
COUNTRY Brazil  
STATUS governmental  
SPONSORS Saaesp/Fapesp  
DIRECTOR Julio Rodrigues Neto  
CURATORS Julio Rodrigues Neto (Phytobacteriology)  
NUMBER OF STAFFS  
MAIN SUBJECTS Bacteriology (2)  
Agriculture  
Culture and preservation methods  
General microbiology  
Genetics  
Immunology  
Plant pathology  
CULTURE HELD Bacteria (600)  
AVAILABILITY OF CULTURES  
Free  
Exchange/Fee  
CATALOGUE Planning to publish in 1988  
SERVICES Storage service  
Distribution  
Identi. Bacteria (Phytopathogenic bacteria)  
Consul. Preservation  
DATE OF REPLY 12/18/87  
DATE OF ENTRY 9/30/85

**REGISTRATION NUMBER 111**

ACRONYM RYCC  
POSTAL ADDRESS  
CORRE. Dr. Andrew S.J. Yap  
FULL NAME Roseworthy Yeast Culture Collection  
INSTI. Roseworthy Agricultural College  
ADDRESS Roseworthy  
South Australia  
5371  
COUNTRY Australia  
SPONSORS College of Advanced Education  
DIRECTOR Andrew S.J. Yap  
CURATORS Andrew S.J. Yap  
MAIN SUBJECTS Wine microbiology  
CULTURE HELD Bacteria (20)  
Yeasts (100)  
DATE OF REPLY 9/19/85  
DATE OF ENTRY 9/30/85

**REGISTRATION NUMBER 112**

ACRONYM ARSEF  
 POSTAL ADDRESS  
 CORRE. Dr. R.A. Humber  
 FULL NAME ARS Collection of Entomopathogenic Fungi  
 INSTI. USDA - ARS Plant Protection Research  
 ADDRESS Boyce Thompson Institute, Towe  
 Ithaca  
 New York  
 14853  
 COUNTRY USA  
 STATUS governmental  
 SPONSORS US Dept. of Agriculture, Agricultural Research Service  
 DIRECTOR Dr. R.S. Soper  
 CURATORS Dr. R.A. Humber  
 MAIN SUBJECTS Insect microbiology  
 CULTURE HELD Fungi (1700)  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange/Fee  
 SERVICES  
 Identi. Any entomogenous fungus  
 DATE OF REPLY 9/17/85  
 DATE OF ENTRY 10/ 3/85

**REGISTRATION NUMBER 113**

ACRONYM CSCC (<-DRLDFR)  
 POSTAL ADDRESS  
 CORRE. Dr. Ron R. Hull  
 FULL NAME CSIRO Starter Culture Collection  
 INSTI. CSIRO  
 ADDRESS Graham Road  
 Highett  
 Victoria  
 3190  
 COUNTRY Australia  
 MAIL NUMBERS TEL 613-5562211  
 TEX AA 33763  
 FAX 613-556-2680  
 E-mail KEYLINK DRY001  
 STATUS semi-governmental  
 DIRECTOR Dr. G. Zadov  
 CURATORS Dr. Ron Hull (Lactic acid bacteria)  
 NUMBER OF STAFFS  
 Bacteriology (1)  
 Virology (0.5) (Bacterial viruses)  
 MAIN SUBJECTS Industrial microbiology  
 CULTURE HELD Bacteria (800)  
 Fungi (4)  
 Viruses: bacteria (100)  
 AVAILABILITY OF CULTURES  
 Charge is made  
 CATALOGUE Publish own catalogue once every 5 years  
 SERVICES Storage service (lactic acid bacteria)  
 Distribution (lactic acid bacteria - supply of  
 technological strains)  
 Identi. Bacteria (lactic acid bacteria)  
 Consul. Preservation  
 Propagation

DATE OF REPLY 10/29/87  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 114

ACRONYM UFPEDA

POSTAL ADDRESS

CORRE. Mrs. Berenilda Ramalho de Mello  
FULL NAME Universidade Federal de Pernambuco  
INSTI. Departamento de Antibioticos  
ADDRESS Rua Prof. Morais Rego, s/n  
Recife  
Pernambuco  
50.739

COUNTRY Brazil

MAIL NUMBERS TEL 081-2713628  
TEX 1267 UFPB

STATUS governmental  
university

SPONSORS Universidade Federal de Pernambuco. Conselho Nacional de  
Desenvolvimento Cientifico

DIRECTOR Berenilda Ramalho de Mello

CURATORS Berenilda Ramalho de Mello (Microbiology)

NUMBER OF STAFFS

Bacteriology (7)  
Cell biology (1)  
Mycology (1)  
Others (1)

COMPUTER SPECIALIST

Berenilda Ramalho de Mello

MAIN SUBJECTS

Agriculture  
Applied microbiology  
Biochemistry  
Cell biology  
Culture and preservation methods  
Developmental biology  
Ecology  
Environmental protection  
Fermentation  
Freeze drying  
General microbiology  
Genetic engineering  
Genetics  
Immunology  
Industrial microbiology  
Medical microbiology  
Molecular biology  
Pharmacology  
Plant pathology  
Systematics and taxonomy

CULTURE HELD

Bacteria (379)  
Fungi (124)  
Yeasts (75)  
Cell lines: animal (3)  
non-ident. bacteria, mostly Actinomycetes (1768)  
non-ident. yeasts (49)  
non-ident. fungi (4)  
variants or mutants (340)

AVAILABILITY OF CULTURES

Free  
Exchange/Fee  
CATALOGUE Publish own catalogue once every 2 years  
Included in a regional catalogue:  
'Catalogo Nacional de Linhagens(Campinas-SP-Brasil)'  
Planning to publish in 1988  
Need help to publish  
SERVICES Storage service (under 5 means of preservation)  
Distribution  
Identifi. Bacteria (mainly actinomycetes)  
Training Management of a culture collection  
Culture and preservation methods  
Quality control  
Genetic engineering  
Use of computer in culture collections  
Numerical taxonomy and/or probabilistic identification  
antimicrobial activity  
Consul. Preservation  
Propagation  
DATE OF REPLY 11/19/87  
DATE OF ENTRY 10/ 9/85

**REGISTRATION NUMBER 115**

ACRONYM FGSC  
FULL NAME Dept. of Microbiology  
INSTL. University of Kansas Medical School  
ADDRESS Rainbow Blvd. at 39th Street  
Kansas City  
KS66103  
COUNTRY USA  
STATUS governmental  
DIRECTOR Dr. J.A. Kinsey  
CULTURE HELD Fungi (5500)  
DATE OF REPLY 9/30/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 116**

ACRONYM CCBAU  
POSTAL ADDRESS  
CORRE. Dr. W.X. Chen  
FULL NAME Culture Collection Beijing Agricultural University  
ADDRESS Beijing Agricultural Univ.  
Beijing  
100094  
COUNTRY The People's Republic of China  
MAIL NUMBERS TEL 285831-385  
STATUS university  
SPONSORS Wenxin Chen  
MAIN SUBJECTS Agriculture  
CULTURE HELD Bacteria (100)  
AVAILABILITY OF CULTURES  
Fee  
CATALOGUE Planning to publish in 1990  
DATE OF REPLY 10/23/85  
DATE OF ENTRY 11/18/85



**REGISTRATION NUMBER 117**

ACRONYM DSAC  
 POSTAL ADDRESS  
 CORRE. Mr. Jun chu, Zhou  
 FULL NAME Culture Collection of Department of Soil and Agr. Chemistry  
 INSTL. Huazhong Agr. University  
 ADDRESS Shizishan  
 Wuhan  
 Hubei  
 COUNTRY The People's Republic of China  
 MAIL NUMBERS TEL 875681  
 STATUS university  
 DIRECTOR Fudi, Li  
 CURATORS Jun chu, Zhou (Soil microbiology)  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Bacteriology (1)  
 Assistants (1)  
 Agriculture  
 Applied microbiology  
 Biochemistry  
 Culture and preservation methods  
 Environmental protection  
 Food science  
 General microbiology  
 Genetic engineering  
 Genetics  
 Industrial microbiology  
 Molecular biology  
 AVAILABILITY OF CULTURES Exchange/Fee  
 DATE OF REPLY 10/28/85  
 DATE OF ENTRY 11/18/85

**REGISTRATION NUMBER 118**

ACRONYM NCFB (<-NCDO)  
 POSTAL ADDRESS  
 CORRE. Dr. P.J.H. Jackman  
 FULL NAME National Collection of Food Bacteria  
 INSTL. AFRC Institute of Food Research, Reading Laboratory  
 ADDRESS Shinfield  
 Reading  
 Berkshire  
 RG2 9AT  
 COUNTRY United Kingdom  
 MAIL NUMBERS TEL 0734-883103  
 TEX 265871  
 FAX 0734-884763  
 E-mail DIALCOM 42:CDT0013  
 STATUS governmental  
 DIRECTOR Dr. P.J.H. Jackman  
 CURATORS Mr. B.A. Phillips  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Bacteriology (2)  
 Agriculture  
 Applied microbiology  
 Culture and preservation methods  
 Fermentation  
 Food science

	Freeze drying
	Genetics
	Industrial microbiology
	Systematics and taxonomy
CULTURE HELD	Bacteria (3000)
AVAILABILITY OF	CULTURES
	Exchange/Fee
CATALOGUE	Publish own catalogue once every 3 years
	Planning to publish in 1989
	Online access
SERVICES	Patent deposits (Budapest Treaty)
	Storage service (confidential safe deposit)
	Distribution (freeze dried ampoules)
Identi.	Bacteria (Not known pathogens)
Training	Management of culture collections
	Culture and preservation methods
	Quality control
	Use of computer in culture collections
	Numerical taxonomy and/or probabilistic identification
	Chemotaxonomy
Consul.	Patent deposits
	Preservation
DATE OF REPLY	12/22/88
DATE OF ENTRY	10/26/81

**REGISTRATION NUMBER 119**

ACRONYM	CCDMBI
POSTAL ADDRESS	
CORRE.	Prof. A.K. Mishra
FULL NAME	Culture Collection, Department of Microbiology
INSTI.	Bose Institute
ADDRESS	93/1 Acharya Prafulla Chandra
	Calcutta
	West Bengal
	700009
COUNTRY	India
SPONSORS	Quasi-Government
DIRECTOR	Prof. A.K. Mishra
CURATORS	Dr. Ashalata Chandra
	Dr. Sankarlal Chakravarty
	Dr. Prankrishna Chakrabartty
MAIN SUBJECTS	Agriculture
	General microbiology
	Industrial microbiology
	Medical microbiology
	Metal leaching
	Soil microbiology
CULTURE HELD	Bacteria (50)
	Fungi (40)
	Yeasts (12)
AVAILABILITY OF	CULTURES
	Free
SERVICES	
Identi.	Fungi
DATE OF REPLY	2/ 4/85
DATE OF ENTRY	10/26/81

## REGISTRATION NUMBER 121

ACRONYM PFAC  
 POSTAL ADDRESS  
 CORRE. Dr. Cudberto Contreras  
 FULL NAME Pathogen Fungi and Actinomycetes Collection  
 INSTI. Instituto de Salubridad y Enfermedades Tropicales. S.S.  
 ADDRESS Carpio No. 470. Santo Tomas. M  
 Mexico  
 D.F.  
 700009  
 COUNTRY Mexico  
 STATUS governmental  
 DIRECTOR Cudberto Contreras  
 CURATORS Cudberto Contreras  
 Arturo Collazo  
 MAIN SUBJECTS Medical microbiology  
 CULTURE HELD Algae (1)  
 Bacteria (334)  
 Fungi (441)  
 Yeasts (43)  
 SERVICES  
 Identi. Yeasts  
 Pathogenic fungi, actinomycetes  
 DATE OF REPLY 10/16/85  
 DATE OF ENTRY 11/18/85

## REGISTRATION NUMBER 123

ACRONYM CMCC (B)  
 POSTAL ADDRESS  
 CORRE. Dr. Ding Shao Qing and Yuan Zeng Lin  
 FULL NAME National Center for Medical Culture Collections  
 INSTI. National Institute for the Control of Pharmaceutical and  
 Biological Products  
 ADDRESS Temple of Heaven  
 Beijing  
 COUNTRY The People's Republic of China  
 MAIL NUMBERS TEL 75.7351-321  
 TEX 9328  
 STATUS governmental  
 SPONSORS Ministry of Health  
 DIRECTOR Ding Shao Qing  
 CURATORS Yuan Zeng Lin (Microbiology)  
 NUMBER OF STAFFS Bacteriology (4)  
 Assistants (1)  
 Others (5)  
 MAIN SUBJECTS Culture and preservation methods  
 Freeze drying  
 Immunology  
 Medical microbiology  
 Molecular biology  
 SUBCOLLECTIONS <see ' list of Reference Laboratories ' >  
 CULTURE HELD Bacteria (1)  
 Viruses: bacteria (1)  
 AVAILABILITY OF CULTURES Free  
 Exchange/Fee  
 CATALOGUE Included in a regional catalogue 'CCCCM catalogue'

SERVICES Need help to publish  
Storage service (medical bacteria)  
Distribution medical bacteria)  
DATE OF REPLY 11/ 4/87  
DATE OF ENTRY 12/18/85

REGISTRATION NUMBER 124

ACRONYM PTCCI  
POSTAL ADDRESS  
CORRE. Dr. Nasrine Moazami  
FULL NAME Persian Type Culture Collection  
INSTI. Iranian Research Organization for Science and Technology  
ADDRESS 118 Felestine Ave.  
Tehran  
COUNTRY Iran  
STATUS governmental  
DIRECTOR A. Taheri  
CURATORS Dr. N. Moazami  
MAIN SUBJECTS Agriculture  
Industrial microbiology  
Insect microbiology  
Medical microbiology  
CULTURE HELD Bacteria (442)  
Fungi (79)  
Yeasts (15)  
Viruses: bacteria (6)

SERVICES  
Identi. Bacteria  
Fungi  
DATE OF REPLY 5/25/85  
DATE OF ENTRY 12/18/85

REGISTRATION NUMBER 125

ACRONYM UMRC  
POSTAL ADDRESS  
CORRE. Dr. Peter H. Graham  
FULL NAME University of Minnesota Rhizobium Collection  
INSTI. University of Minnesota, Dept. of Soil Science  
ADDRESS St Paul  
MN 55108  
COUNTRY USA  
STATUS university  
DIRECTOR Dr. W. Larson  
CURATORS Peter H. Graham  
MAIN SUBJECTS Agriculture  
CULTURE HELD Bacteria (600)  
DATE OF REPLY 12/24/85  
DATE OF ENTRY 1/ 8/86

REGISTRATION NUMBER 126

ACRONYM NCPPB  
POSTAL ADDRESS  
CORRE. Dr. D.E. Stead  
FULL NAME National Collection of Plant Pathogenic Bacteria  
INSTI. Ministry of Agriculture, Fisheries and Food  
ADDRESS Hatching Green

Harpenden  
Hertfordshire  
AL5 2BD  
COUNTRY United Kingdom  
STATUS governmental  
DIRECTOR Dr. D.E. Stead  
MAIN SUBJECTS Agriculture  
CULTURE HELD Bacteria (3000)  
Viruses: bacteria (30)  
DATE OF REPLY 9/30/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 127

ACRONYM LMD  
POSTAL ADDRESS  
CORRE. Dr. J. van der Toorn  
FULL NAME Culture Collection, Laboratory of Microbiology and Enzymology  
INSTI. Delft University of Technology  
ADDRESS Julianalaan 67 A  
Delft  
2628 BC  
COUNTRY Netherlands  
STATUS university  
DIRECTOR Prof. Dr. J.G. Kuenen  
CURATORS J. van der Toorn  
MAIN SUBJECTS General microbiology  
Industrial microbiology  
CULTURE HELD Bacteria (2500)  
AVAILABILITY OF CULTURES Free  
DATE OF REPLY 8/ 1/86  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 128

ACRONYM PLYMOUTH  
POSTAL ADDRESS  
CORRE. Dr. J.C. Green  
FULL NAME Plymouth Culture Collection  
INSTI. Marine Biological Association of the United Kingdom  
ADDRESS Citadel Hill  
Plymouth  
Devon  
PL1 2PB  
COUNTRY United Kingdom  
STATUS private  
CURATORS Dr. G.T. Boalch  
Dr. J. Green  
MAIN SUBJECTS Marine microbiology  
CULTURE HELD Algae (150)  
AVAILABILITY OF CULTURES Free  
SERVICES  
Identi. Microalgae  
DATE OF REPLY 3/ 4/85  
DATE OF ENTRY 10/26/81

## REGISTRATION NUMBER 129

ACRONYM CVCC

## POSTAL ADDRESS

CORRE. Dr. Wang Zhilun

FULL NAME Center for Veterinary Culture Collection

INSTI. The Control Institute of Veterinary Bioproducts and  
Pharmaceuticals

ADDRESS 30 Baishiqiao Road, Western Suburb

Beijing

COUNTRY The People's Republic of China

STATUS governmental

DIRECTOR Wang Zhilun

CURATORS Zheng Ming

MAIN SUBJECTS Veterinary

SUBCOLLECTIONS Haerbin Research Institute and Lanzhou Veterinary Research

Institute both of CAAS

CULTURE HELD Bacteria (1109)

Cell lines: animal (31)

Viruses: animal (141)

## SERVICES

Identi. Veterinary organisms

DATE OF REPLY 12/17/85

DATE OF ENTRY 1/ 8/86

## REGISTRATION NUMBER 130

ACRONYM CNCTC

## POSTAL ADDRESS

CORRE. Dr. J. Sourek

FULL NAME Czechoslovak National Collection of Type Cultures

INSTI. Institute of Hygiene and Epidemiology

ADDRESS Srobarova 48

Prague 10

100 42

COUNTRY Czechoslovakia

MAIL NUMBERS TEL 741438

TEX 122 662 IHE c

STATUS governmental

DIRECTOR RNDr. PhMr. Jiri Sourek, CSc.

CURATORS Dr. J. Jelinkova (Streptococcus strains)

Dr. M. Slosarek (Mycobacterium strains)

Dr. B. Tumova (Myxoviruses)

Dr. J. Strauss (Rubella and measles viruses, Chlamydiae)

Dr. L. Kunzova (Adenoviruses)

PhMr. M. Zastera (Protozoa and helminths)

Dr. D. Fedova (Parotitis and parainfluenza viruses)

Dr. M. Gresikova (Arboviruses)

## NUMBER OF STAFFS

Bacteriology (20)

Mycology (4)

Protozoology (2)

Virology (12)

Assistants (18)

Others (20)

## MAIN SUBJECTS

Agriculture

Applied microbiology

Biochemistry

Culture and preservation methods

Fermentation

Food science  
 Freeze drying  
 General microbiology  
 Immunology  
 Industrial microbiology  
 Marine biology  
 Medical microbiology  
 Systematics and taxonomy  
 Veterinary

**SUBCOLLECTIONS** Doc. Dr. J. Horak <Colicin producer and indicator strains>  
 Prof. Dr. E. Kmety <Leptospiras>  
 Dr. M. Otcenasek <Dermatophytes and other Pathogenic Fungi>

**CULTURE HELD** Bacteria (5500)  
 Fungi (120)  
 Yeasts (50)  
 Protozoa (10)  
 Viruses: animal (550)  
 Viruses: bacteria (200)

**AVAILABILITY OF CULTURES**  
 Free  
 Exchange/Fee

**CATALOGUE** Publish own catalogue once every 5-10 years  
 Planning to publish in 1988

**SERVICES** Patent deposits  
 Storage service  
 Distribution

**Training** Management of a culture collection  
 Culture and preservation methods  
 Quality control

**Consul.** Patent deposits  
 Preservation  
 Propagation  
 Shipment regulations

**DATE OF REPLY** 11/11/87  
**DATE OF ENTRY** 10/26/81

**REGISTRATION NUMBER 133**

**ACRONYM** CBS  
**POSTAL ADDRESS**  
 CORRE. Dr. E.J. Hermanides-Nijhof  
 FULL NAME. Centraalbureau voor Schimmelcultures  
 ADDRESS P.O.Box 273  
 Baarn  
 3740 AG

**COUNTRY** Netherlands

**MAIL NUMBERS** TEL 02154-11841

**STATUS** semi-governmental

**SPONSORS** Royal Netherlands Academy of Arts and Sciences.  
 The Netherlands Ministry of Education and Arts and science

**DIRECTOR** Dr. R. Kokke

**CURATORS** J. Stalpers (basidiomycetes)  
 F. Hermanides  
 D. Yarrow (yeasts)

**NUMBER OF STAFFS**  
 Bacteriology (7)  
 Mycology (31)

**COMPUTER SPECIALIST**  
 Ir. G. Stegehuis

MAIN SUBJECTS Applied microbiology  
 Culture and preservation methods  
 General microbiology  
 Systematics and taxonomy  
 SUBCOLLECTIONS Yeast division  
 Medical division  
 Chemical Division <Fungal metabolites>  
 CULTURE HELD Fungi (32000)  
 Yeasts (5000)  
 Lichens (3500)  
 Plasmids (800)  
 AVAILABILITY OF CULTURES  
 Exchange/Fee  
 CATALOGUE Publish own catalogue once every 4 years (approx.)  
 SERVICES Patent deposits (fungi, yeasts, bacteria,  
 Actinomycetes)  
 Storage service  
 Distribution  
 Identi. Bacteria  
 Fungi (several specialities)  
 Yeasts  
 Training Management of a culture collection  
 Culture and preservation methods  
 Quality control  
 Use of computer in culture collections  
 Consul. Patent deposits  
 Preservation  
 advices on all mycological matters and problems.  
 DATE OF REPLY 11/11/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 134**

ACRONYM NCWRF-FPRL (<-FPRL)  
 POSTAL ADDRESS  
 CORRE. Dr. A.F. Bravery  
 FULL NAME UK National Collection of Cultures of Wood-Rotting  
 Macrofungi  
 INSTI. Building Research Establish Ment Biodeterioration Section  
 ADDRESS Carston  
 Watford  
 Herts  
 WD2 7JR  
 COUNTRY United Kingdom  
 MAIL NUMBERS TEL 0923-674040  
 TEX 923220  
 FAX 0923-662184  
 STATUS governmental  
 SPONSORS Dept. of the Environment  
 DIRECTOR Dr. A.F. Bravery  
 CURATORS Dr. Janice K. Carey (Mycology)  
 NUMBER OF STAFFS  
 Mycology (1)  
 MAIN SUBJECTS Timber microbiology  
 The decay of timber in service  
 CULTURE HELD Fungi (550)  
 AVAILABILITY OF CULTURES  
 Exchange/Fee  
 CATALOGUE Publish own catalogue once every year (no set interval)



SERVICES Storage service (wood-rotting macrofungi)  
 Distribution (on request and payment of appropriate fee)  
 Identi. Fungi (Wood-rotting macro-fungi)  
 Consul. Timber decay in service  
 OTHER\_SERVICES Research  
 Testing  
 DATE OF REPLY 11/10/87  
 DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 135

ACRONYM NBIMCC  
 POSTAL ADDRESS  
 CORRE. Prof. I. Tepavitcharova  
 FULL NAME National Bank for Industrial Microorganisms and Cell Cultures  
 INSTI. National Biotechnological Centre  
 ADDRESS Blvd. "Lenin" 125 B12  
 Sofia  
 1113  
 COUNTRY Bulgaria  
 MAIL NUMBERS TEL 72 08 65  
 STATUS governmental  
 DIRECTOR Prof. I. Tepavicharova - micro-biologist  
 CURATORS labor. "Actinomycetales" (micro-biologist)  
 labor. "Bacteria" (micro-biologist)  
 labor. "Fungi" (micro-biologist)  
 labor. "Plasmids" (micro-biologist)  
 labor. "Viruses and cell lines (virologist)  
 labor. "Yeasts" (micro-biologist)  
 NUMBER OF STAFFS  
 Bacteriology (2)  
 Mycology (2)  
 Virology (2)  
 Assistants (8)  
 Acinomyceales (3)  
 MAIN SUBJECTS Applied microbiology  
 Biochemistry  
 Culture and preservation methods  
 Freeze drying  
 General microbiology  
 Industrial microbiology  
 Physiology (microorganisms)  
 Systematics and taxonomy  
 CULTURE HELD Bacteria (568)  
 Fungi (113)  
 Yeasts (196)  
 Plasmids (106)  
 Cell lines: animal (63)  
 Hybridomas: animal (15)  
 Viruses: animal (165)  
 Actinomycetales (88)  
 AVAILABILITY OF CULTURES  
 Free  
 CATALOGUE Planning to publish in 1989  
 SERVICES Patent deposits  
 Storage service  
 Distribution  
 Identi. Bacteria  
 Fungi

Yeasts  
 Cell lines  
 Viruses  
 Actinomycetales  
 Training Management of a culture collection  
 Culture and preservation methods  
 Quality control  
 Use of computer in culture collections  
 Consul. Numerical taxonomy and/or probabilistic identification  
 Patent deposits  
 Preservation  
 Propagation  
 Shipment regulations  
 DATE OF REPLY 6/26/87  
 DATE OF ENTRY 1/ 8/86

**REGISTRATION NUMBER 136**

ACRONYM MRL  
 POSTAL ADDRESS  
 CORRE. Mr. John Upsher  
 FULL NAME MRL Collection of Microorganisms  
 INSTI. Materials Research Laboratories  
 ADDRESS P.O. Box 50  
 Ascot Vale  
 Victoria  
 3032  
 COUNTRY Australia  
 MAIL NUMBERS TEL 319-3681  
 FAX 318-4536  
 STATUS governmental  
 SPONSORS Department of defence  
 DIRECTOR Mr. John Upsher (Biodeterioration hyptomycetes)  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Mycology (1)  
 Mycology  
 Biodeterioration  
 CULTURE HELD Fungi (1200)  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange  
 CATALOGUE No intention to publish  
 SERVICES  
 Identi. Fungi (retention for testing / reference)  
 Consul. Testing fungi resistance materials  
 DATE OF REPLY 10/27/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 137**

ACRONYM ECACC (<-ECAC)  
 POSTAL ADDRESS  
 CORRE. Dr. A. Doyle  
 FULL NAME European Collection of Animal Cell Cultures  
 INSTI. Public Health Laboratory Service Center for Applied  
 Microbiology and Research  
 ADDRESS Porton Down  
 Salisbury  
 Wiltshire

COUNTRY SP4 OJG  
 United Kingdom  
 MAIL NUMBERS TEL 0980-610391  
 TEX 47683  
 FAX 0980-611096  
 STATUS governmental  
 SPONSORS Public health laboratory service department of trade and  
 industry  
 DIRECTOR Dr. A. Doyle  
 CURATORS Mr. C.B. Morris (Biochemistry)  
 NUMBER OF STAFFS Cell biology (9)  
 COMPUTER SPECIALIST  
 MAIN SUBJECTS 1 Part-Time  
 Biochemistry  
 Cell biology  
 Culture and preservation methods  
 Genetics  
 Immunology  
 CULTURE HELD Cell lines: animal (500)  
 Hybridomas: animal (100)  
 AVAILABILITY OF CULTURES  
 Fee  
 CATALOGUE Publish own catalogue once every 2 years  
 Planning to publish in 1988  
 SERVICES Patent deposits  
 Storage service  
 Distribution  
 Identi. Cell lines  
 Training Culture and preservation methods  
 Quality control  
 Consul. Patent deposits  
 Preservation  
 Propagation  
 Shipment regulations  
 DATE OF REPLY 11/17/87  
 DATE OF ENTRY 1/29/86

**REGISTRATION NUMBER 139**

ACRONYM VTT  
 POSTAL ADDRESS  
 CORRE. Dr. Maija-Liisa Suihko  
 FULL NAME VTT Collection of Industrial Microorganisms  
 INSTI. VTT, Biotechnical Laboratory  
 ADDRESS Tietotie 2  
 Espoo  
 SF-02150  
 COUNTRY Finland  
 MAIL NUMBERS TEL +3580-4565133  
 TEX 122972 vttha sf  
 FAX 3580462382  
 STATUS governmental  
 SPONSORS Technical Research Centre of Finland (VTT)  
 DIRECTOR Dr. M.-L. Suihko  
 NUMBER OF STAFFS Assistants (1)  
 MAIN SUBJECTS Applied microbiology  
 Genetic engineering

Industrial microbiology  
 Culture and preservation methods  
 CULTURE HELD Bacteria (310)  
 Fungi (320)  
 Yeasts (310)  
 AVAILABILITY OF CULTURES  
 Exchange/Fee  
 CATALOGUE Publish own catalogue once every 3 years  
 Planning to publish in 1988  
 SERVICES Storage service  
 Distribution  
 Identi. Bacteria (beer spoiling bacteria by commercial kits or HPLC)  
 Fungi (fungi of grain by direct microscopy)  
 Yeasts (COMPASS-system)  
 Training Culture and preservation methods  
 Consul. Patent deposits  
 Preservation  
 Propagation  
 Shipment regulations  
 DATE OF REPLY 7/12/87  
 DATE OF ENTRY 1/29/86

**REGISTRATION NUMBER 140**

ACRONYM CCAP (->FBA.SMBA)  
 POSTAL ADDRESS  
 CORRE. Dr. S.I. Heaney  
 FULL NAME Culture Centre of Algae and Protozoa  
 INSTI. Freshwater Biological Association  
 ADDRESS The Ferry House  
 Ambleside  
 Cumbria  
 LA22 0LP  
 COUNTRY United Kingdom  
 MAIL NUMBERS TEL 09662-2468  
 TEX 8950511 ONE ONE G Ref16173001  
 FAX 09662 6914  
 E-mail JANET UK.AC.NWI.VA  
 STATUS semi-governmental  
 SPONSORS Natural Environment Research Council  
 DIRECTOR Dr. S.I. Heaney  
 CURATORS Dr. S.I. Heaney (Freshwater algae)  
 Dr. B.I. Finlay (Protozoa)  
 Mr. M.F. Turner (Marine algae)  
 NUMBER OF STAFFS  
 Algology (8)  
 Protozoology (4)  
 Assistants (1)  
 Others (2)  
 MAIN SUBJECTS Applied microbiology  
 Biochemistry  
 Cell biology  
 Culture and preservation methods  
 Developmental biology  
 Ecology  
 General microbiology  
 Marine biology  
 Physiology  
 Systematics and taxonomy

CULTURE HELD Algae (1631)  
Protozoa (328)  
CATALOGUE Publish own catalogue once every 5 years  
Planning to publish in 1988  
Need help to publish  
SERVICES Patent deposits (WIPO)  
Storage service  
Identi. Algae (Possible in future)  
Protozoa  
Consul. Patent deposits  
Preservation  
Propagation  
DATE OF REPLY 11/18/87  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 142**

ACRONYM WRL  
POSTAL ADDRESS  
CORRE. Dr. Sarah E.J. Thorley  
FULL NAME The Wellcome Bacterial Collection  
INSTI. The Wellcome Foundation Limited  
ADDRESS Wellcome Research Labs Langley Court  
Beckenham  
Kent  
BR3 3BS  
COUNTRY United Kingdom  
MAIL NUMBERS TEL 01-658-2211 EXT 6038  
TEX 23937WELLAB  
FAX 6509055  
STATUS private  
CURATORS Dr. Sarah E.J. Thorley  
NUMBER OF STAFFS Assistants (1)  
MAIN SUBJECTS General microbiology  
Medical microbiology  
Veterinary  
SUBCOLLECTIONS Clostridium  
Escherichia  
Streptococcus  
CULTURE HELD Bacteria (6800)  
Fungi (300)  
Yeasts (58)  
AVAILABILITY OF CULTURES  
By agreement (Fee or free at discretion of the curator  
and the director)  
CATALOGUE Printed our own catalogue in 1984 and yearly supplements  
hereafter (few copies)  
SERVICES Distribution (Within Wellcome,  
also to others in UK and oversea)  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 143**

ACRONYM ITAL  
POSTAL ADDRESS  
CORRE. Dr. Jose Leonardo Eto de Valle  
FULL NAME Banco de Fermentos Lacticos  
INSTI. Food Technology Institute (ITAL)

ADDRESS Avenue Brasil, 2880  
Campinas  
Sao Paulo  
BR3 3BS  
COUNTRY Brazil  
STATUS governmental  
DIRECTOR Jose Leonardo Eto do Valle  
MAIN SUBJECTS Industrial microbiology  
CULTURE HELD Bacteria (300)  
Fungi (10)  
SERVICES  
Identi. Bacteria  
DATE OF REPLY 1/14/86  
DATE OF ENTRY 01/29/86

**REGISTRATION NUMBER 144**

ACRONYM VCRC  
POSTAL ADDRESS  
CORRE. Dr. B. Kishinevsky  
FULL NAME Volcani Center Rhizobium Collection (VCRC)  
INSTI. Dept. of Legume Inoculation, Agriculture Research  
Organization, The Volcani Center  
ADDRESS P.O. Box 6, Bet Dagan 50 250  
Bet Dagan  
COUNTRY Israel  
DIRECTOR Dr. B. Kishinevsky  
CURATORS Dr. Debora Gurfel  
Mrs. Miriam Fogelman  
MAIN SUBJECTS Agriculture  
CULTURE HELD Bacteria (96)  
AVAILABILITY OF CULTURES  
Free  
DATE OF REPLY 5/ 2/86  
DATE OF ENTRY 03/04/86

**REGISTRATION NUMBER 145**

ACRONYM IFAM  
POSTAL ADDRESS  
CORRE. Prof. P. Hirsch  
FULL NAME Institut fur Allgemeine Mikrobiologie  
INSTI. University of Kiel  
ADDRESS Olshausenstrasse 40/60  
Kiel  
D-2300 Schleswig-Holstein  
DIRECTOR Dr. B. Kishinevsky  
COUNTRY Federal Republic of Germany  
STATUS university  
DIRECTOR Prof. Dr. E. Stackebrandt  
CURATORS Prof. Peter Hirsch  
MAIN SUBJECTS Hyphal and unusual bacteria  
Actinomycetes  
Budding bacteria  
General microbiology  
Marine bacteriology  
CULTURE HELD Bacteria (800)  
Fungi (50)  
Protozoa (1)

AVAILABILITY OF CULTURES Viruses:bacteria (50)  
Free  
Exchange/Fee  
DATE OF REPLY 10/30/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 146

ACRONYM CCDAM  
POSTAL ADDRESS  
CORRE. Dr. G. Benckiger  
FULL NAME Institute for Microbiology and Landscape Ecology  
INSTI. Justus-Liebi Universitat  
ADDRESS 3 Senckenbergstrasse  
D-6300  
Giessen  
COUNTRY Federal Republic of Germany  
STATUS university  
DIRECTOR Dr. G. Benckigerter  
MAIN SUBJECTS Applied microbiology  
Ecology  
General microbiology  
CULTURE HELD Bacteria (1000)  
Fungi (500)  
Yeasts (30)  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 147

ACRONYM CSMA  
POSTAL ADDRESS  
CORRE. Prof. G. Florenzano  
FULL NAME Centro di Studio dei Microorganismi Autotrofi - CNR  
INSTI. Istituto di Microbiologia Agraria e Tecnica Universita  
degli Studi - Firenze  
ADDRESS P.zale Cascine, 27  
Firenze  
50144  
COUNTRY Italia  
STATUS governmental  
university  
DIRECTOR Prof. Gino Florenzano  
CURATORS Dr. ssa M. Cristina Margheri  
Dr. Elio Pelosi  
MAIN SUBJECTS Agriculture  
Forest microbiology  
General microbiology  
Industrial microbiology  
CULTURE HELD Algae (58)  
Bacteria (48)  
Fungi (25)  
Yeasts (40)  
Cyanobacteria (69)  
SERVICES  
Identi. Algae  
Yeasts  
Cyanobacteria  
DATE OF REPLY 10/23/85

DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 150

ACRONYM CCFC  
POSTAL ADDRESS  
CORRE. Dr. Robert Trottier  
FULL NAME Canadian Collection of Fungus Cultures  
INSTI. Agriculture Canada, Biosystematics Research Centre  
ADDRESS K.W. Neatby Bldg 20  
Ottawa Ontario K1A 0C6  
Ontario  
K1A 0C6  
COUNTRY Canada  
MAIL NUMBERS TEL 613-996-1665 EXT 7305  
TEX CANAGRICOTT  
E-mail AG190 CCFC  
STATUS governmental  
DIRECTOR Miss. Sandra M. Needham  
CURATORS Sandra M. Needham  
NUMBER OF STAFFS  
Mycology (8)  
Assistants (4)  
COMPUTER SPECIALIST  
Not at the present time  
MAIN SUBJECTS Agriculture  
Culture and preservation methods  
Forest microbiology  
Freeze drying  
Plant pathology  
Systematics and taxonomy  
CULTURE HELD Fungi (10000)  
AVAILABILITY OF CULTURES  
Free for Research and teaching/exchange  
CATALOGUE Publication after computerization complete  
SERVICES Storage service  
Distribution  
Identi. Fungi (Priority given by N.I.S. to Canadian requests)  
Consul. Preservation  
Propagation  
DATE OF REPLY 3/ 7/88  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 154

ACRONYM NCTC  
POSTAL ADDRESS  
CORRE. Dr. L.R. Hill  
FULL NAME National Collection of Type Cultures  
INSTI. Public Health Laboratory Service  
ADDRESS 61 Colindale Avenue  
London  
NW9 5HT  
COUNTRY United Kingdom  
STATUS governmental  
CURATORS Dr. L.R. Hill  
Dr. R.J. Owen  
MAIN SUBJECTS Medical microbiology  
Veterinary



CULTURE HELD Bacteria (4000)  
Viruses bacteri (93)  
Subcollection (3000)  
AVAILABILITY OF CULTURES  
Fee  
SERVICES  
Identi. Bacteria of medical or veterinary interest  
DATE OF REPLY 9/ 4/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 156**

ACRONYM LCDC  
POSTAL ADDRESS  
CORRE. Dr. Peter Gill  
FULL NAME Laboratory Centre for Disease Control  
INSTI. Health and Welfare Canada  
ADDRESS Tunney's Pasture  
Ottawa  
Ontario  
K1A 0L2  
Canada  
COUNTRY  
STATUS governmental  
DIRECTOR Dr. A.J. Clayton  
CURATORS Dr. Peter Gill  
MAIN SUBJECTS Protection of human health  
CULTURE HELD Bacteria (700)  
Viruses: animal (60)  
Viruses: bacteria (200)  
DATE OF REPLY 1/21/86  
DATE OF ENTRY 05/31/82

**REGISTRATION NUMBER 158**

ACRONYM SSIC  
POSTAL ADDRESS  
CORRE. Dr. F. Orskov  
FULL NAME Collaborating Centre for Reference and Research on  
Escherichia and Klebsiella  
INSTI. Statens Serum Institute  
ADDRESS 5 Artillerivej  
Copenhagen  
2300 S  
Denmark  
COUNTRY  
MAIL NUMBERS TEL 01 952817  
TEX 31316 SERUM DK  
STATUS governmental  
DIRECTOR Dr. F. Orskov  
MAIN SUBJECTS General microbiology  
Medical microbiology  
Veterinary  
CULTURE HELD Bacteria (400)  
AVAILABILITY OF CULTURES  
Free  
SERVICES  
Identi. Serotypes of Escherichia, Klebsiella  
DATE OF REPLY 4/17/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 166**

ACRONYM DMSRDE  
 POSTAL ADDRESS  
 CORRE. Dr. H.M. Dayal  
 FULL NAME DMSRDE Culture Collection  
 INSTI. DRDO New Delhi  
 ADDRESS G.T. Road Post Box No. 320  
 Kanpur  
 Uttar Pradesh  
 208 013  
 COUNTRY India  
 STATUS governmental  
 DIRECTOR Dr. B.V. Ramani  
 CURATORS H.M. Dayal  
 G.P. Tandon  
 K.C. Tiwari  
 Mrs. Kamlesh Mehta  
 R.S. Pandey  
 H.C. Pant  
 MAIN SUBJECTS General microbiology  
 Industrial microbiology  
 CULTURE HELD Bacteria (98)  
 Fungi (1147)  
 Yeasts (28)  
 AVAILABILITY OF CULTURES  
 Exchange  
 DATE OF REPLY 9/20/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 167**

ACRONYM RLSCC  
 POSTAL ADDRESS  
 CORRE. Dr. H.J. Buys  
 FULL NAME CSR Central Laboratory  
 INSTI. Colonial Sugar Refining Co. Ltd.  
 ADDRESS 70 John Street  
 Pymont  
 New South Wales  
 2009  
 COUNTRY Australia  
 STATUS industrial  
 DIRECTOR H.J. Buys  
 CURATORS J.M. Cameron  
 MAIN SUBJECTS Industrial microbiology  
 SUBCOLLECTIONS Ethanol fermenting yeasts  
 CULTURE HELD Bacteria (90)  
 Fungi (108)  
 Yeasts (152)  
 DATE OF REPLY 10/30/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 168**

ACRONYM UC (<-UPJOHN)  
 POSTAL ADDRESS  
 CORRE. Miss Alma Dietz

FULL NAME	The Upjohn Culture Collection
INSTL.	The Upjohn Company
ADDRESS	301 Henrietta Street Kalamazoo Michigan 49007
COUNTRY	USA
MAIL NUMBERS	TEL 616-385-7158 TEX 224401 FAX 616-385-7373
STATUS	industrial
SPONSORS	The Upjohn Company
DIRECTOR	Dr. Jeff W. Paslay
CURATORS	Miss Alma Dietz (Actinomycetes, Bacteria, Fungi)
COMPUTER SPECIALIST	Mr. James P. Hartfield
MAIN SUBJECTS	Agriculture Applied microbiology Biochemistry Cell biology Culture and preservation methods Fermentation General microbiology Genetic engineering Immunology Industrial microbiology Medical microbiology Molecular biology Plant pathology Systematics and taxonomy Taxonomy with emphasis on actinomycetes Veterinary
CULTURE HELD	Algae (30) Bacteria (3900) Fungi (1800) Yeasts (450) Protozoa (30) Plasmids (310) Hybridomas: animal (20) Actinomycetes (2850)
AVAILABILITY OF	CULTURES Free
CATALOGUE	Publish own catalogue once every 2 years
SERVICES	Storage service Distribution
Identi.	Bacteria Fungi Yeasts Actinomycetes
Training	Management of a culture collection Culture and preservation methods Use of computer in culture collections
Consult.	Patent deposits Preservation Propagation Shipment regulations
DATE OF REPLY	1/13/88
DATE OF ENTRY	10/26/81

**REGISTRATION NUMBER 169**

ACRONYM NCYC

## POSTAL ADDRESS

CORRE. Dr. P.J.H. Jackman  
 FULL NAME National Collection of Yeast Cultures  
 INSTI. A.F.R.C. Institute of Food Research, Norwich Laboratory  
 ADDRESS Colney Lane  
 Norwich  
 Norfolk  
 NR4 7UA

COUNTRY United Kingdom  
 MAIL NUMBERS TEL 0603-56122

TEX 975453  
 FAX 0603-58939  
 E-mail DIALCOM 42:CDT0013

STATUS governmental

DIRECTOR Dr. P.J.H. Jackman

CURATORS Mr. K. Painting (Genetics)  
 Mrs. J.E. Henry (Identification)  
 Mr. C.J. Bond  
 Miss C. Dedi (Genetics)

NUMBER OF STAFFS Mycology (4)

COMPUTER SPECIALIST Mr. K. Painting

MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Cryopreservation  
 Culture and preservation methods  
 Fermentation  
 Food science  
 Freeze drying  
 Genetics  
 Industrial microbiology  
 Molecular biology  
 Systematics and taxonomy

SUBCOLLECTIONS Schizosaccharomyces pombe <Strains of genetic  
 interest of Schiz. pombe>  
 Brewing strains <ale, lager, wine yeasts>  
 S. cerevisiae <Strains of genetic interest>

CULTURE HELD Yeasts (3000)

AVAILABILITY OF CULTURES  
 Exchange/Fee

CATALOGUE Publish own catalogue once every 3 years  
 Planning to publish in 1989  
 Online access

SERVICES Patent deposits (Budapest treaty. 240/deposit)  
 Storage service (Confidential safe deposit. 75/year)  
 Distribution (Freeze dried ampoules. 18/ampoule)

Identi. Yeasts (Unknown pathogens. 70/strain)

Training Culture and preservation methods  
 Management of culture collection  
 Quality control  
 Genetic engineering

Use of computer in culture collections  
 Molecular systematics

Consult. Patent deposits

Preservation  
Propagation  
Shipment regulations  
Brewing  
Biotechnological applications of yeasts

DATE OF REPLY 12/22/88  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 173**

ACRONYM DBV  
POSTAL ADDRESS  
CORRE. Head of Division  
FULL NAME Division of Standardisation  
INSTI. Indian Veterinary Research Institute  
ADDRESS Izatnagar  
Uttar Pradesh  
Norfolk  
COUNTRY India  
STATUS governmental  
DIRECTOR Dr. B.K. Gupta  
CURATORS Head of Division  
MAIN SUBJECTS Veterinary  
CULTURE HELD Bacteria (100)  
Fungi (1)  
Yeasts (2)  
Protozoa (3)  
Viruses animal (47)  
DATE OF REPLY 1/11/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 174**

ACRONYM CNCM  
POSTAL ADDRESS  
CORRE. Mrs. Y. Cerisier  
FULL NAME Collection Nationale de Cultures de Microorganismes  
(including CIP main collection of bacteria)  
INSTI. Institut Pasteur  
ADDRESS 25 Rue de Docteur Roux  
Paris  
75724 Cedex 15  
COUNTRY France  
MAIL NUMBERS TEL 45-68-82-50/82.51/82.52  
TEX 250609F  
FAX 43-06-98-35  
STATUS private  
DIRECTOR Mr. Le Professeur Maxime Schwartz  
CURATORS Yvonne Cerisier (Bacteriology)  
NUMBER OF STAFFS Bacteriology (3)  
MAIN SUBJECTS Applied microbiology  
General microbiology  
Medical microbiology  
Systematics and taxonomy  
Veterinary  
CULTURE HELD Bacteria (3500)  
AVAILABILITY OF CULTURES Free

CATALOGUE SERVICES Exchange/Fee  
 Planning to publish in 1988 (Last edition in 1983)  
 Patent deposits (Bacteria, Viruses, Animal cell lines,  
 Fungi, Yeasts)  
 Storage service  
 Distribution  
 Identi. Bacteria  
 Consult. Patent deposits  
 Preservation  
 Shipment regulations  
 DATE OF REPLY 10/11/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 175**

ACRONYM DPDU  
 POSTAL ADDRESS  
 CORRE. Dr. Romano Locci  
 FULL NAME Department of Plant Defence Udine Culture Collection  
 INSTI. Chair of Mrcology, Department Plant Defence, University  
 ADDRESS Ple M. Kolbe, 4  
 Udine  
 33100  
 COUNTRY Italy  
 MAIL NUMBERS TEL 0432-44013/45153  
 TEX 450412UNIVUD  
 DIRECTOR Prof. Romano Locci  
 STATUS university  
 CURATORS R. Locci (Streptomycetes)  
 G. Firrao (other Actinomycetes)  
 E. Gobbi (Fungi)  
 C. Talotti (other bacteria)  
 NUMBER OF STAFFS Assistants (1)  
 COMPUTER SPECIALIST G. Firrao  
 MAIN SUBJECTS Agriculture  
 Ecology  
 General microbiology  
 Plant pathology  
 Systematics and taxonomy  
 CULTURE HELD Bacteria (700)  
 Fungi (100)  
 Yeasts (50)  
 AVAILABILITY OF CULTURES Exchange  
 CATALOGUE SERVICES Publish own catalogue once every 5-10 years  
 Distribution (exchange)  
 Identi. Bacteria (actinomycetes)  
 Fungi (phytopathogens)  
 Yeasts (epiphytic)  
 Training Culture and preservation methods  
 Genetic engineering  
 Numerical taxonomy and/or probabilistic identification  
 Consult. Patent deposits  
 DATE OF REPLY 11/11/87  
 DATE OF ENTRY 10/26/81

## REGISTRATION NUMBER 180

ACRONYM DBV-PG  
 POSTAL ADDRESS  
 CORRE. Dr. Alessandro Martini  
 FULL NAME Collection dei Lieviti  
 INSTI. Dipartimento di Biologia Vegetale  
 ADDRESS Borgo 20 Giugno 74  
 Perugia  
 I-06100  
 COUNTRY Italy  
 MAIL NUMBERS TEL 39-7531766  
 TEX UNIPGI 6662078  
 STATUS governmental  
 university  
 SPONSORS University of Perugia, Italy - Ministry of Public Education  
 DIRECTOR Alessandro Martini  
 CURATORS Ann Elizabeth Vaughan (Molecular Taxonomy)  
 NUMBER OF STAFFS  
 Mycology (2)  
 MAIN SUBJECTS Applied microbiology  
 Ecology  
 Fermentation  
 Food science  
 Industrial microbiology  
 Research  
 Systematics and taxonomy  
 Teaching  
 CULTURE HELD Yeasts (3000)  
 AVAILABILITY OF CULTURES  
 Free (to other culture collections)  
 Exchange/Fee  
 CATALOGUE Publish own catalogue once every year  
 Planning to publish in 1988  
 SERVICES Storage service (inquire)  
 Distribution  
 Identi. Yeasts (Conventional & DNA-hybridization)  
 Training Molecular taxonomy (DNA-hybridization)  
 Consult. Identification  
 DATE OF REPLY 11/25/87  
 DATE OF ENTRY 10/26/81

## REGISTRATION NUMBER 181

ACRONYM CAPM  
 POSTAL ADDRESS  
 CORRE. MVDr. L. Valicek, CSc.  
 FULL NAME Collection of Animal Pathogenic Microorganisms  
 INSTI. Veterinary Research Institute  
 ADDRESS Hudcova 70  
 Brno  
 621 32  
 COUNTRY Czechoslovakia  
 MAIL NUMBERS TEL 741121  
 TEX 62-475.63-055  
 STATUS governmental  
 DIRECTOR MVDr. L. Valicek, CSc.  
 CURATORS Ing. A. Paravanova (bovine and fish viruses)  
 Dr. D. Veznikova (porcine, poultry and other animal viruses)  
 Dr. M. Sovadina (bacteria)

NUMBER OF STAFFS  
 Bacteriology (1)  
 Virology (3)  
 Assistants (1)  
 Others (2)

MAIN SUBJECTS  
 Culture and preservation methods  
 Food science  
 Freeze drying  
 General microbiology  
 Medical microbiology  
 Systematics and taxonomy  
 Veterinary

CULTURE HELD  
 Bacteria (619)  
 Viruses: animal (135)  
 Mycoplasma (31)

AVAILABILITY OF CULTURES  
 Free

CATALOGUE  
 Included in a regional catalogue:  
 "Catalogue of Cultures, Bacteria, Czechoslovak Collection  
 of Microorganisms, Brno"  
 Planning to publish in 1988

SERVICES  
 Patent deposits  
 Distribution

Consult.  
 Patent deposits  
 Preservation  
 Propagation  
 Shipment regulations

DATE OF REPLY 11/ 1/88  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 182**

ACRONYM CCF  
 POSTAL ADDRESS  
 CORRE. Dr. O. Fassatiova, CSc.  
 FULL NAME CCF-Culture Collection of Fungi  
 INSTI. Department of Botany, Faculty of Sci., Charles University  
 ADDRESS Benatska 2  
 Prague 2  
 Czech Socialistic Republic

COUNTRY Czechoslovakia  
 STATUS university  
 DIRECTOR Dr. O. Fassatiova  
 CURATORS Dr. O. Fassatiova (Moniliales)  
 Dr. M. Vanova (Mucorales)  
 Dr. K. Prasil (Ascomycetes)

NUMBER OF STAFFS  
 Mycology (3)

MAIN SUBJECTS  
 Culture and preservation methods  
 Ecology (micromycetes)  
 Forest microbiology  
 Systematics and taxonomy

CULTURE HELD  
 Fungi (2050)

AVAILABILITY OF CULTURES  
 Free  
 Exchange/Fee

CATALOGUE  
 Publish own catalogue once every year

SERVICES  
 Patent deposits (fungi)  
 Storage service



Identi. Distribution  
Training Fungi (Mucorales, Moniliales, Hyphomycetes)  
Management of a culture collection  
Culture and preservation methods  
Quality control  
DATE OF REPLY 2/12/87  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 184

ACRONYM NCPF  
POSTAL ADDRESS  
CORRE. Dr. C.K. Campbell  
FULL NAME National Collection of Pathogenic Fungi  
INSTI. Public Health Laboratory Service, Mycological Reference  
Laboratory  
ADDRESS 61 Colindale Avenue  
London  
NW9 5HT  
COUNTRY United Kingdom  
STATUS governmental  
DIRECTOR Prof. D.W.R. MacKenzie  
CURATORS Dr. C.K. Campbell (Medical fungi)  
NUMBER OF STAFFS  
Mycology (2)  
Assistants (1)  
MAIN SUBJECTS Medical microbiology  
Veterinary  
CULTURE HELD Bacteria (80)  
Fungi (1100)  
Yeasts (200)  
AVAILABILITY OF CULTURES  
Fee  
CATALOGUE Planning to publish in 1988  
SERVICES Distribution  
Identi. Bacteria (Aerobic actinomycetes)  
Fungi (Medical fungi)  
Yeasts (Medical yeasts)  
Consult. Preservation  
Propagation  
DATE OF REPLY 1/22/88  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 190

ACRONYM IAM  
POSTAL ADDRESS  
CORRE. Dr. K. Yamasato  
FULL NAME Institute of Applied Microbiology  
INSTI. University of Tokyo  
ADDRESS Yayoi, Bunkyo-Ku  
Tokyo  
COUNTRY Japan  
STATUS governmental  
university  
DIRECTOR Dr. K. Yamasato  
CURATORS E. Unami  
Y. Kanai  
Y. Miura

MAIN SUBJECTS    Agriculture  
                   General microbiology  
                   Industrial microbiology  
 CULTURE HELD    Bacteria (800)  
                   Fungi (900)  
                   Yeasts (200)  
 AVAILABILITY OF CULTURES  
                   Free  
 DATE OF REPLY    12/14/89  
 DATE OF ENTRY    05/31/82

**REGISTRATION NUMBER 191**  
 ACRONYM          IFO  
 POSTAL ADDRESS  
   CORRE.          Dr. Teiji Iijima  
   FULL NAME        Institute for Fermentation, Osaka  
   ADDRESS          17-85 Juso-Honmachi 2-chome  
                     Yodogawa-ku  
                     Osaka  
                     532  
                     Japan  
 COUNTRY  
 MAIL NUMBERS    TEL 06-302-7281  
                     FAX 06-300-6576  
 STATUS            private  
 DIRECTOR          Dr. Teiji Iijima  
 CURATORS          Dr. Tatsuo Yokoyama (fungi)  
                     Dr. Toru Hasegawa (fungi)  
                     Dr. Isao Banno (yeasts)  
                     Dr. Ko Imai (bacteria)  
                     Dr. Toru Hasegawa (Actinomycetes)  
                     Dr. Masao Takeuchi (animal cells)  
                     Dr. Ko Imai (bacteriophages)

NUMBER OF STAFFS  
                     Bacteriology (3)  
                     Cell (3)  
                     Mycology (2)  
                     Assistants (4)

MAIN SUBJECTS    Agriculture  
                   Cell biology  
                   Culture and preservation methods  
                   Ecology  
                   Freeze drying  
                   General microbiology  
                   Genetics  
                   Molecular biology  
                   Systematics and taxonomy

CULTURE HELD    Bacteria (3030)  
                   Fungi (7040)  
                   Yeasts (2640)  
                   Cell lines: animal (150)  
                   Viruses: bacteria (60)

AVAILABILITY OF CULTURES  
                   Exchange/Fee

CATALOGUE        Publish own catalogue once every 4 years  
                     Planning to publish in 1988

SERVICES          Patent deposits  
                     Storage service  
                     Distribution

Training Management of a culture collection  
Culture and preservation methods  
Quality control  
Use of computer in culture collections  
Consult. Patent deposits  
Preservation  
DATE OF REPLY 2/10/89  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 192

ACRONYM SAG  
POSTAL ADDRESS  
CORRE. Dr. Uwe Gert Schloesser  
FULL NAME Sammlung von Algenkulturen  
INSTI. Pflanzenphysiologisches Institut  
ADDRESS Nikolausberger Weg 18  
Gottingen  
D-3400  
COUNTRY Federal Republic of Germany  
STATUS university  
DIRECTOR Dr. Uwe Gert Schloesser  
CURATORS Dr. Uwe Gert Schloesser  
NUMBER OF STAFFS  
Algology (1)  
MAIN SUBJECTS Freshwater microalgae  
CULTURE HELD Algae (1400)  
AVAILABILITY OF CULTURES  
Fee  
CATALOGUE Publish own catalogue once every year  
DATE OF REPLY 2/11/87  
DATE OF ENTRY 10/07/85

REGISTRATION NUMBER 194

ACRONYM DMVB  
POSTAL ADDRESS  
CORRE. Prof. Dr. M. Truszczyński  
FULL NAME Department of Microbiology, Veterinary Branch of National  
Strain Collection  
INSTI. The Veterinary Research Institute  
ADDRESS Partyzantów Nr. 57  
Pulawy  
24-100  
COUNTRY Poland  
MAIL NUMBERS TEL 30-51 Pulawy  
TEX 0642401  
STATUS governmental  
DIRECTOR Prof. Dr. M. Truszczyński  
CURATORS Dr. D. Ciosek  
NUMBER OF STAFFS  
Bacteriology (2)  
MAIN SUBJECTS Veterinary  
SUBCOLLECTIONS Strains of Escherichia coli  
CULTURE HELD Bacteria (450)  
AVAILABILITY OF CULTURES  
Fee  
CATALOGUE Included in a regional catalogue:  
Polish Collections of Microorganisms ed. by

Institute of Immunology and experimental Therapy,  
 Wroclaw/106:PCM/' published once every year.  
 SERVICES Distribution (Scientific and research institutions)  
 Identi. Bacteria (strains isolated from animals)  
 Training Culture and preservation methods  
 Consult. Preservation  
 DATE OF REPLY 1/14/88  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 195**

ACRONYM HUT  
 POSTAL ADDRESS  
 CORRE. Dr. Tsutomu Morinaga  
 FULL NAME HUT, Department of Fermentation Technology, Faculty of  
 Engineering, Hiroshima University  
 ADDRESS Saijo-cho, Shitami  
 Higashi-hiroshima  
 724  
 COUNTRY Japan  
 MAIL NUMBERS TEL 0824-22-7111 EXT 3661  
 STATUS governmental  
 university  
 DIRECTOR Dr. S. Fukui  
 CURATORS Dr. A. Toh-e  
 Dr. Y. Murooka  
 Dr. O. Nimi  
 Dr. T. Morinaga  
 NUMBER OF STAFFS  
 Bacteriology (1)  
 Cell biology (3)  
 Mycology (1)  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Biochemistry  
 Culture and preservation methods  
 Developmental biology  
 Ecology  
 Fermentation  
 General microbiology  
 Genetic engineering  
 Genetics  
 Industrial microbiology  
 Molecular biology  
 Systematics and taxonomy  
 CULTURE HELD Bacteria (69)  
 Fungi (242) (contained Yeasts)  
 AVAILABILITY OF CULTURES  
 Exchange  
 CATALOGUE Publish own catalogue in 1987  
 DATE OF REPLY 12/17/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 196**

ACRONYM ITH  
 POSTAL ADDRESS  
 CORRE. Dr. W.J. Terpstra  
 FULL NAME W.H.O./F.A.O. Collaborating Centre for Reference and

INSTI. Research in Leptospirosis  
 ADDRESS Royal Tropical Institute, Dept. of Tropical Hygiene  
 Meibergdreef 3g  
 Amsterdam 1105 AZ Z.O.  
 1105AZ Z.O.  
 COUNTRY Netherlands  
 STATUS governmental  
 DIRECTOR Dr. W.J. Terpstra  
 MAIN SUBJECTS Medical microbiology  
 Veterinary  
 CULTURE HELD Bacteria (165)  
 SERVICES  
 Identi. Leptospira serotypes  
 DATE OF REPLY 9/30/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 202**

ACRONYM GLMI  
 POSTAL ADDRESS  
 CORRE. Miss Anne M. Harris  
 FULL NAME Glaxo Group Research Culture Collection  
 INSTI. Glaxo Group Research Ltd.  
 ADDRESS Greenford Road  
 Greenford  
 Middlesex  
 UB6 OHE  
 COUNTRY United Kingdom  
 MAIL NUMBERS TEL 01-422-3434  
 TEX 8951942GLXPRI G  
 FAX 01-423-5579  
 STATUS industrial  
 DIRECTOR Dr. J.B. Ward  
 CURATORS Miss A.M. Harris  
 NUMBER OF STAFFS  
 Bacteriology (1)  
 Assistants (1)  
 MAIN SUBJECTS Applied microbiology  
 Fermentation  
 General microbiology  
 Industrial microbiology  
 Medical microbiology  
 Veterinary  
 SUBCOLLECTIONS Actinomycetes  
 Streptomycetes  
 CULTURE HELD Bacteria (221)  
 Fungi (58)  
 Yeasts (27)  
 AVAILABILITY OF CULTURES  
 Free  
 CATALOGUE No intention to publish  
 SERVICES Storage service (In house use only)  
 Distribution (small numbers on personal application)  
 DATE OF REPLY 2/11/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 204**

ACRONYM BBLF

FULL NAME Institut fur Pflanzenschutz im Forst  
 INSTI. Biologische Bundesanstalt fur Land- und Forstwirtschaft  
 ADDRESS Messeweg 11-12  
 Braunschweig  
 D-3300

COUNTRY Federal Republic of Germany  
 STATUS governmental  
 DIRECTOR Prof. Dr. Heinz Butin  
 MAIN SUBJECTS Forest microbiology  
 CULTURE HELD FUNGI (400)  
 SERVICES  
 Identi. Fungi in forest mycology  
 DATE OF REPLY 8/ 1/86  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 206**

ACRONYM VPRI  
 POSTAL ADDRESS  
 CORRE. Mr. I.C. Pascoe  
 FULL NAME Plant Research Institute, Herbarium  
 INSTI. Plant Research Institute  
 ADDRESS Swan Street  
 Burnley  
 Victoria  
 3121

COUNTRY Australia  
 MAIL NUMBERS TEL 03-810-1511  
 TEX AA38481  
 FAX 03-819-5653

STATUS governmental  
 DIRECTOR I.C. Pascoe  
 CURATORS I.C. Pascoe (plant pathogenic fungi)  
 NUMBER OF STAFFS  
 Mycology (1)  
 Assistants (1)

MAIN SUBJECTS Agriculture  
 Plant pathology  
 Systematics and taxonomy

CULTURE HELD FUNGI (650)  
 AVAILABILITY OF CULTURES  
 Free

CATALOGUE No intention to publish  
 SERVICES  
 Identi. Fungi (Plant pathogenic microfungi)  
 DATE OF REPLY 11/24/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 208**

ACRONYM IID  
 POSTAL ADDRESS  
 CORRE. Dr. Masanosuke Yoshikawa  
 FULL NAME Laboratory Culture Collection, Institute of Medical Science  
 INSTI. University of Tokyo  
 ADDRESS 4-6-1 Shirokanedai  
 Minato-ku  
 Tokyo

COUNTRY Japan

MAIL NUMBERS TEL 03-443-8111  
 FAX 03-443-3893  
 STATUS governmental  
 university  
 DIRECTOR Dr. Masanosuke Yoshikawa  
 CURATORS Hiroshi Chosa  
 NUMBER OF STAFFS  
 Bacteriology (1)  
 MAIN SUBJECTS Medical microbiology  
 SUBCOLLECTIONS Pseudomonas aeruginosa  
 Streptococcus  
 Vibrio cholerae  
 CULTURE HELD Bacteria (1425)  
 AVAILABILITY OF CULTURES  
 Free  
 CATALOGUE Included in a regional catalogue 'The Japan Federation for  
 Culture Collections'  
 SERVICES Distribution (medically important bacteria)  
 DATE OF REPLY 4/24/85  
 DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 212

ACRONYM IPF  
 POSTAL ADDRESS  
 CORRE. Dr.Mrs. Olga Ilnicka-Olejniczak  
 FULL NAME Collection of Industrial Microorganisms  
 INSTI. Institute of Fermentation Industry  
 ADDRESS Rakowiecka 36  
 Warsaw  
 02-532  
 COUNTRY Poland  
 MAIL NUMBERS TEL 49-0406  
 TEX 813845IPS PL  
 STATUS governmental  
 industry  
 SPONSORS Ministry of Agriculture, Forestry aFood Industry  
 DIRECTOR Dr. Olga Ilnicka-Olejniczak  
 CURATORS Dr. Olga Ilnicka-Olejniczak (technical microbiology)  
 NUMBER OF STAFFS  
 Bacteriology (1)  
 Mycology (2)  
 Assistants (1)  
 Others (2)  
 MAIN SUBJECTS Culture and preservation methods  
 Industrial microbiology  
 Strain improvement  
 CULTURE HELD Bacteria (179)  
 Fungi (450)  
 Yeasts (484)  
 AVAILABILITY OF CULTURES  
 Exchange  
 Fee for the industry  
 CATALOGUE Publish own catalogue once every year  
 Planning to publish in 1990  
 DATE OF REPLY 12/22/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 213**

ACRONYM CEPIM  
POSTAL ADDRESS  
CORRE. The Director  
FULL NAME Centro per gli Enterobatteri Patogeni per l'Italia  
Meridionale  
INSTI. Istituto di Igiene dell'Universita  
ADDRESS Via del Vespro, 133  
Palermo 90127  
90127  
COUNTRY Italy  
STATUS governmental  
SPONSORS Italian Ministry of Health  
DIRECTOR Prof. Luigi Dardanoni  
CURATORS Prof. A. Nastasi  
Dr. M.F. Massenti  
Dr. G. Scarlata  
MAIN SUBJECTS Epidemiology  
Medical microbiology  
SUBCOLLECTIONS Enterobacteriaceae  
DATE OF REPLY 1/13/86  
DATE OF ENTRY 05/31/82

**REGISTRATION NUMBER 214**

ACRONYM IMI  
POSTAL ADDRESS  
CORRE. Dr. David Smith  
FULL NAME The Culture Collection  
INSTI. CAB international Mycological Institute  
ADDRESS Ferry Lane  
Kew  
Surrey  
TW9 3AF  
COUNTRY United Kingdom  
MAIL NUMBERS TEL 01-940-4086  
TEX 265871(MONREF G) quote CAU009  
STATUS governmental  
SPONSORS CAB International Funded by 30 governments  
DIRECTOR Dr. D.Allsopp  
CURATORS Dr. D. Smith (Preservation of fungi)  
NUMBER OF STAFFS  
Mycology (14)  
Assistants (6)  
Biochemistry (2)  
Others (2)  
COMPUTER SPECIALIST R. Platt  
MAIN SUBJECTS Agriculture  
Applied microbiology  
Biochemistry  
Culture and preservation methods  
Developmental biology  
Ecology  
Environmental protection  
Evolutionary biology  
Food science  
Forest microbiology  
Freeze drying



General microbiology  
 Industrial microbiology  
 Medical microbiology  
 Molecular biology  
 Physiology  
 Plant pathology  
 Systematics and taxonomy  
 CULTURE HELD Fungi (12500)  
 Lichens (5)  
 AVAILABILITY OF CULTURES Exchange/Fee  
 CATALOGUE Publish own catalogue once every 2 years  
 Planning to publish in 1987  
 SERVICES Patent deposits (IDA under Budapest treaty)  
 Storage service (have a safe deposit scheme charged.)  
 Distribution (internationally - two tier prices-)  
 Identi. Fungi (Filamentous fungi excluding animals human pathogens)  
 Training Management of a culture collection  
 Culture and preservation methods  
 Quality control  
 Consult. Preservation  
 DATE OF REPLY 11/17/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 216**

ACRONYM MW  
 POSTAL ADDRESS  
 CORRE. Dr. Peter Hubsch  
 FULL NAME Pilzkulturrensammlung  
 INSTI. Friedrich-Schiller-Universität Jena, Sektion Biologie  
 ADDRESS Freiherr-vom-Stein-Allee 2  
 Weimar  
 DDR-5300  
 COUNTRY German Democratic Republic  
 MAIL NUMBERS TEL 3498  
 STATUS governmental  
 university  
 DIRECTOR Dr. Peter Hubsch  
 CURATORS Dr. Peter Hubsch (Basidiomycetes)  
 Dr. sc. Gunter Arnold (Fungi imperfecti, Hypocreales)  
 NUMBER OF STAFFS Mycology (1)  
 COMPUTER SPECIALIST Dr. Peter Hubsch (but without computer)  
 MAIN SUBJECTS Culture and preservation methods  
 Developmental biology  
 Ecology  
 Plant pathology  
 Systematics and taxonomy  
 SUBCOLLECTIONS <Fungi of Cuba>  
 CULTURE HELD Fungi (3687)  
 AVAILABILITY OF CULTURES Free  
 Exchange/Fee  
 CATALOGUE Publish own catalogue irregularly  
 SERVICES  
 Identi. Fungi  
 Consult. Preservation

OTHER SERVICES teaching  
DATE OF REPLY 1/20/88  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 217

ACRONYM IMET  
POSTAL ADDRESS  
CORRE. Dr. H. Prauser  
FULL NAME IMET  
INSTI. Zentralinstitut fur Mikrobiologie und Experimentelle Therapie  
ADDRESS Beutenbergstrasse 11  
Jena  
6900  
COUNTRY German Democratic Republic  
SPONSORS Akademie der Wissenschaften der DDR  
DIRECTOR Dr. H. Prauser  
CURATORS Prof. W. Kohler  
Dr. H. Prauser and Dr. Jutta M  
MAIN SUBJECTS General microbiology  
Industrial microbiology  
Medical microbiology  
Veterinary  
SUBCOLLECTIONS Actinomycetes including nocardioforms  
obligate methylotrophic bacteria  
streptococcal group and type strains  
CULTURE HELD Bacteria (1300)  
Viruses:bacteria (70)  
AVAILABILITY OF CULTURES  
Free  
Exchange/Fee  
SERVICES  
Identi. Actinomycetes, obligate methylotrophic bacteria  
DATE OF REPLY 10/12/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 227

ACRONYM IMD  
POSTAL ADDRESS  
CORRE. Mrs. Margaret M.P. Devine  
FULL NAME Industrial Microbiology Dublin  
INSTI. Dept. of Industrial Microbiology, University College  
ADDRESS Stillorgan Road  
Dublin  
COUNTRY Ireland  
STATUS university  
SPONSORS College Dublin  
DIRECTOR Prof. W.M. Fogarty  
CURATORS Margaret M.P. Devine (Mrs)  
MAIN SUBJECTS General microbiology  
CULTURE HELD Bacteria (250)  
Fungi (100)  
Yeasts (30)  
DATE OF REPLY 6/27/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 230

ACRONYM GCC  
 POSTAL ADDRESS  
   CORRE. Mrs. June Hurley, GBW Research Centre  
   FULL NAME Guinness Culture Collection  
   INSTI. Guinness Plc  
   ADDRESS Park Royal  
           London  
   COUNTRY Ireland  
 MAIL NUMBERS TEL 965-7700  
                   TEX 23822  
                   FAX 965-6003  
 STATUS industrial  
 DIRECTOR Dr. A.J. Forage  
 CURATORS Dr. B. Cantwell (Genetic engineering)  
           Mrs. J. Hurley (Brewing Yeast)  
 NUMBER OF STAFFS  
           Cell biology (2)  
           Assistants (2)  
 COMPUTER SPECIALIST  
           Mrs. J. Hurley  
 MAIN SUBJECTS Applied microbiology  
                   Cell biology  
                   Fermentation  
                   Food science  
                   General microbiology  
                   Genetic engineering  
                   Genetics  
                   Industrial microbiology  
                   Molecular biology  
 CULTURE HELD Bacteria (53)  
                   Yeasts (402)  
                   Vectors (65)  
                   Recombinant plasmids (87)  
 AVAILABILITY OF CULTURES  
           Restricted  
 CATALOGUE For internal use only  
           Catalogue for internal use only  
 SERVICES Distribution (Restricted)  
 DATE OF REPLY 12/24/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 231**

ACRONYM LCC  
 POSTAL ADDRESS  
   CORRE. Prof. Dr. Hab Bozena Rocznik  
   FULL NAME Laboratoire des Collections of Cultures  
   INSTI. Chaire de Microbiologie Technique  
   ADDRESS Kortowo Bl. 43  
           Olsztyn  
   COUNTRY Poland  
 STATUS university  
 DIRECTOR Prof. Dr. Hab Bozena Rocznik  
 CURATORS Prof. Dr. Hab Kazimierz Kornac  
 MAIN SUBJECTS Industrial microbiology  
 SUBCOLLECTIONS Microbiologie Laitiere  
 CULTURE HELD Bacteria (217)  
                   Fungi (29)  
                   Yeasts (51)

DATE OF REPLY 1/21/86  
DATE OF ENTRY 05/31/82

**REGISTRATION NUMBER 232**

ACRONYM ICCF  
POSTAL ADDRESS  
CORRE. Dr. Radu Ghiocel  
FULL NAME Collection of Industrial Microorganisms  
INSTI. Institutul de Cercetari Chimico-Farmaceutice  
ADDRESS 112 Soseaua Vitan  
Bucharest  
Rumania  
74031  
COUNTRY Rumania  
STATUS governmental  
DIRECTOR Dr. Radu Ghiocel  
CURATORS Tudora Caraiani (Biology)  
Eugenia Mocanu (Biology)  
Dr. Tica Dragos (Biology)  
NUMBER OF STAFFS  
Bacteriology (5)  
Mycology (1)  
Assistants (2)  
MAIN SUBJECTS Applied microbiology  
Culture and preservation methods  
Fermentation  
Freeze drying  
Genetics  
Industrial microbiology  
SUBCOLLECTIONS Research centre for antibiotics Iasi <Antibiotics>  
CULTURE HELD Bacteria (4)  
Fungi (5)  
AVAILABILITY OF CULTURES  
Exchange  
SERVICES Patent deposits  
Storage service  
DATE OF REPLY 12/21/87  
DATE OF ENTRY 05/31/82

**REGISTRATION NUMBER 237**

ACRONYM FSC  
POSTAL ADDRESS  
CORRE. Dr. L.P. Magasi  
FULL NAME Fredericton Stock Culture Collection  
INSTI. Canadian Forestry Service  
ADDRESS P.O. Box 4000  
Fredericton  
New Brunswick  
E3B 5P7  
COUNTRY Canada  
STATUS governmental  
DIRECTOR Dr. Laszlo P. Magasi  
CURATORS Sharon E. Pond  
MAIN SUBJECTS Forest microbiology  
CULTURE HELD Fungi (675)  
AVAILABILITY OF CULTURES  
Free

DATE OF REPLY 4/17/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 238

ACRONYM NCMB  
POSTAL ADDRESS  
CORRE. Dr. I.J. Bousfield  
FULL NAME National Collection of Marine Bacteria  
INSTI. The National Collections of Industrial and Marine Bacteria  
Ltd.  
ADDRESS Torry Research Station, P.O. B  
Aberdeen AB9 8DG Scotland  
AB9 8DG Sc  
COUNTRY United Kingdom  
STATUS governmental  
CURATORS Dr. I.J. Bousfield  
MAIN SUBJECTS General microbiology  
Marine microbiology  
SUBCOLLECTIONS Fish pathogens  
Halophiles  
CULTURE HELD Bacteria (1500)  
Viruses: bacteria (3)  
AVAILABILITY OF CULTURES  
Free/Fee  
SERVICES  
Identi. Non-pathogenic bacteria  
DATE OF REPLY 1/10/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 239

ACRONYM NCIB  
POSTAL ADDRESS  
CORRE. Dr. I.J. Bousfield  
FULL NAME National Collection of Industrial Bacteria  
INSTI. The National Collections of Industrial and Marine Bacteria  
Ltd.  
ADDRESS Torry Research Station, P.O. Box 31  
Aberdeen  
AB9 8DGSc  
COUNTRY United Kingdom  
STATUS governmental  
CURATORS Dr. I.J. Bousfield  
MAIN SUBJECTS Biotechnology  
General microbiology  
Industrial microbiology  
SUBCOLLECTIONS Plasmid containing bacteria  
CULTURE HELD Bacteria (3800)  
Viruses bacteri (40)  
AVAILABILITY OF CULTURES  
Free/Fee  
SERVICES  
Identi. Non-pathogenic bacteria  
DATE OF REPLY 1/10/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 240

ACRONYM CBRI  
 POSTAL ADDRESS  
 CORRE. Dr. R. Trottes  
 FULL NAME Chemistry and Biology Research Institute  
 INSTI. Biosystemates Research Center Agriculture Canada  
 ADDRESS Carling Avenue  
 Ottawa  
 Ontario  
 K1A 0C6  
 COUNTRY Canada  
 STATUS governmental  
 DIRECTOR Dr. A.I. De la Roche  
 CURATORS Dr. J. Miller  
 MAIN SUBJECTS Agriculture  
 CULTURE HELD Bacteria (142)  
 AVAILABILITY OF CULTURES  
 Free  
 DATE OF REPLY 1/10/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 242**

ACRONYM NRC  
 POSTAL ADDRESS  
 CORRE. Mr. R.K. Latta  
 FULL NAME Division of Biological Sciences  
 INSTI. National Research Council of Canada  
 ADDRESS 100 Sussex Drive  
 Ottawa  
 Ontario  
 K1A 0R6  
 COUNTRY Canada  
 STATUS governmental  
 DIRECTOR Dr. C.T. Bishop  
 CURATORS Mr. R.K. Latta  
 MAIN SUBJECTS research oriented  
 General collection  
 SUBCOLLECTIONS Halophiles  
 Methanogens  
 Pachysolen tannophilus  
 Saccharomyces cerevisiae  
 CULTURE HELD Algae (1)  
 Bacteria (1100)  
 Fungi (120)  
 Yeasts (1190)  
 DATE OF REPLY 5/22/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 243**

ACRONYM NIAS  
 POSTAL ADDRESS  
 CORRE. Dr. T. Ohata  
 FULL NAME National Institute of Agro-Environmental Sciences  
 ADDRESS Kannondai 3-1-1, Yatabe  
 Tsukuba  
 Ibaraki  
 305  
 COUNTRY Japan

STATUS governmental  
DIRECTOR Dr. S. Kubo  
CURATORS Y. Watanabe  
E. Hamaya  
MAIN SUBJECTS Agriculture  
CULTURE HELD Bacteria (550)  
Fungi (350)  
DATE OF REPLY 9/21/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 244

ACRONYM LSTM  
POSTAL ADDRESS  
CORRE. Dr. M.L. Chance  
FULL NAME Department of Parasitology  
INSTI. Liverpool School of Tropical Medicine  
ADDRESS Pembroke Place  
Liverpool  
L3 5QA Lan  
COUNTRY United Kingdom  
STATUS university  
DIRECTOR Prof. G.S. Nelson  
MAIN SUBJECTS Medical microbiology  
AVAILABILITY OF CULTURES Free  
DATE OF REPLY 11/ 4/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 248

ACRONYM UNSW  
POSTAL ADDRESS  
CORRE. Mr. M.H.M. Wilson  
FULL NAME Culture Collection, School of Microbiology  
INSTI. University of New South Wales  
ADDRESS Kensington  
New South Wales  
2033  
COUNTRY Australia  
STATUS university  
DIRECTOR Prof. G.N. Cooper  
CURATORS Prof. K.C. Marshall (Assistant Head)  
Mr. M.H.M. Wilson  
MAIN SUBJECTS General microbiology  
CULTURE HELD Algae (7)  
Bacteria (560)  
Fungi (75)  
Yeasts (50)  
Protozoa (2)  
Viruses bacteri (2)  
Cyanobacteria (2)  
AVAILABILITY OF CULTURES Fee  
DATE OF REPLY 1/10/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 250

ACRONYM MUL  
 POSTAL ADDRESS  
 CORRE. Ms. Francine Garneau  
 FULL NAME Department of Microbiology MUL-B 250  
 INSTI. Faculty of Medicine, Laval University  
 ADDRESS Cite Universitaire  
 Sainte Foy  
 Quebec  
 G1K-7P4  
 COUNTRY Canada  
 STATUS university  
 DIRECTOR Dr. Robert Letarte  
 CURATORS H.W. Ackermann  
 MAIN SUBJECTS General microbiology  
 Medical microbiology  
 SUBCOLLECTIONS Fungi  
 CULTURE HELD Bacteria (900)  
 DATE OF REPLY 1/10/85  
 DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 253

ACRONYM IFBM  
 POSTAL ADDRESS  
 CORRE. Dr. G. Hahn  
 FULL NAME Streptokokken Sammlung  
 INSTI. Institut fur Hygiene an der Bundesanstalt fur Milchforschung  
 ADDRESS Hermann Weigmann Strasse 1  
 Kiel  
 2300 Schle  
 COUNTRY Federal Republic of Germany  
 STATUS governmental  
 DIRECTOR Prof. A. Tolle  
 MAIN SUBJECTS Medical microbiology  
 Veterinary  
 CULTURE HELD Bacteria (500)  
 AVAILABILITY OF CULTURES  
 Free  
 SERVICES  
 Identi. Streptococci  
 DATE OF REPLY 10/10/85  
 DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 258

ACRONYM HNCMB  
 POSTAL ADDRESS  
 CORRE. Dr. Marianne Konkoly-Thege  
 FULL NAME Hungarian National Collection of Medical Bacteria  
 INSTI. National Institute of Hygiene  
 ADDRESS Gyali ut 2-6  
 Budapest  
 H-1097  
 COUNTRY Hungary  
 STATUS governmental  
 SPONSOR Ministry of Health and Social Affairs  
 DIRECTOR Dr. B. Lanyi  
 CURATOR Dr. Marianne Konkoly-Thege (Medical bacteriology)  
 MAIN SUBJECTS Medical microbiology



CULTURE HELD Bacteria (3301)  
AVAILABILITY OF CULTURES  
Free  
DATE OF REPLY 3/9/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 260

ACRONYM DRL  
POSTAL ADDRESS  
CORRE. Dr. I. Szabo  
FULL NAME Diagnostics and Research Laboratory  
INSTI. National Institute for Tuberculosis and Pulmonology  
ADDRESS Pihenó UT 1  
Budapest  
XII 1529  
COUNTRY Hungary  
STATUS governmental  
DIRECTOR Dr. Istvan Szabo  
CURATORS Dr. Nora Szabo  
MAIN SUBJECTS Medical microbiology  
SUBCOLLECTIONS Mycobacteria strains  
SERVICES  
Identi. Acid fast organisms  
DATE OF REPLY 12/20/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 264

ACRONYM BLWG  
POSTAL ADDRESS  
CORRE. Dr. I. Benda  
INSTI. Bayerische Landesanstalt für Weinbau und Gartenbau  
ADDRESS Residenzplatz 3  
Würzburg  
D 8700  
COUNTRY Federal Republic of Germany  
STATUS governmental  
DIRECTOR Dr. I. Benda  
NUMBER OF STAFFS  
Mycology (1)  
MAIN SUBJECTS Fermentation  
CULTURE HELD Yeasts (900)  
AVAILABILITY OF CULTURES  
Exchange  
CATALOGUE No intention to publish  
SERVICES Distribution (exchanged free of charge for cultures)  
from other collections  
DATE OF REPLY 11/25/87  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 274

ACRONYM DSM  
POSTAL ADDRESS  
CORRE. Dr. Dieter Claus  
FULL NAME DSM-Deutsche Sammlung von Mikroorganismen und Zellkulturen  
GmbH  
INSTI. DSM

ADDRESS Mascheroder Weg 1 b  
 Braunschweig  
 D-3300

COUNTRY Federal Republic of Germany

MAIL NUMBERS TEL 0531/6187-0  
 TEX 531104=DSM  
 FAX 0531/618718  
 E-mail Dialcom/Telecom Gold :100750DBI0225 (DSM.Services)

STATUS governmental

DIRECTOR Dr. D. Claus

CURATORS Dr. G. Adam (plant viruses,  
 Antisera, Monoclonal antibodies)  
 Dr. E. Breyel (nucleic acid probes)  
 Dr. D. Fritze (patent microorganisms)  
 Dr. H. Hippe (Archaeobacteria, gliding bacteria,  
 spirochetes, sulfate reducing bacteria, anaerobic  
 endospore-forming bacteria, Thiobacilli)  
 Dr. P. Hoffmann (fungi, including yeasts;  
 identification of fungi)  
 Dr. P. Hopfl (Coryneform group of bacteria,  
 sequencing)  
 Dr. R.M. Kroppenstedt (Actinomycetales,  
 chemotaxonomy)  
 Dr. K.A. Malik (phototrophic bacteria,  
 diazotrophic bacteria, Pseudomonas)  
 Dr. A. Regensburger (plasmids, mutants, phages)  
 Dr. Ch. Rohde (plasmids, mutants, phages)  
 Dr. H. Schumacher (plant cell cultures)  
 Dr. E. Senghas (Enterobacteriaceae, Vibrio,  
 pathogenic bacteria)  
 Dr. B. J. Tindall (Halophile and Thermophile  
 bacteria)  
 Dr. N.Weiss (Gram negative aerobic bacteria)

COMPUTER SPECIALIST Dr. Manfred Kracht

MAIN SUBJECTS Applied microbiology  
 Biotechnology  
 Culture and preservation methods  
 Freeze drying  
 General microbiology  
 Genetics  
 Systematics and taxonomy

CULTURE HELD Bacteria (5100)  
 Fungi (1800)  
 Yeasts (500)  
 Plasmids (70)  
 Vectors (30)  
 Cell lines: plant (750)  
 Viruses: plant (160)  
 Viruses: bacteria (15)

AVAILABILITY OF CULTURES Exchange/Fee

CATALOGUE Publish own catalogue once every 3 years  
 Planning to publish in 1988

SERVICES Patent deposits (depository under the Budapest treaty)  
 Storage service (safe deposit)  
 Distribution (world-wide)

Identi. Bacteria  
 Fungi

Training           Yeasts  
                   Management of a culture collection  
                   Culture and preservation methods  
                   Use of computer in culture collections  
                   Chemotaxonomy  
                   Identification  
 Consult.           Patent deposits  
                   Preservation  
                   Shipment regulations  
                   Isolation  
                   Cultivation  
                   Identification  
                   Chemotaxonomy  
 DATE OF REPLY    1/18/88  
 DATE OF ENTRY    10/26/81

**REGISTRATION NUMBER 275**

ACRONYM           CPZ  
 FULL NAME         Centro Panamericano de Zoonosis  
 INSTI.            Organizacion Mundial et Salud  
 ADDRESS           Casilla 3092 Correo Central  
                   Martinez  
                   Buenos Aires  
                   D-3300  
 COUNTRY           Argentina  
 SPONSORS          Internacional  
 DIRECTOR          Dr. Joe R. Held  
 CURATORS          Dr. Casimiro Garcia-Carrillo  
 MAIN SUBJECTS    Zoonotic infections  
 CULTURE HELD     Bacteria (500)  
                   Viruses animal (2)  
 SERVICES  
   Identi.           Brucella.Mycobacterium.Leptospirae  
 DATE OF REPLY    1/10/85  
 DATE OF ENTRY    10/26/81

**REGISTRATION NUMBER 281**

ACRONYM           NUA  
 POSTAL ADDRESS  
   CORRE.           Prof. J. Papavassiliou  
   FULL NAME        Department of Microbiology National University of Athens  
   INSTI.            Dept. of Microbiology, University of Athens  
   ADDRESS          P.O.Box 8540  
                   Athens  
                   100 10  
 COUNTRY           Greece  
 MAIL NUMBERS     TEL 7771.139  
 STATUS            university  
 DIRECTOR          Mrs. A. Tselenis-Kotsowilis  
 NUMBER OF STAFFS  
                   Bacteriology (3)  
 MAIN SUBJECTS    Ecology  
                   Medical microbiology  
 CULTURE HELD     Bacteria (Ca.400)  
 AVAILABILITY OF CULTURES  
                   Free  
 CATALOGUE        Need help to publish

SERVICES Storage service  
Distribution  
Identi. Bacteria  
Training Management of a culture collection  
Culture and preservation methods  
DATE OF REPLY 11/10/87  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 282

ACRONYM IAL-CELL (<-IAL)  
POSTAL ADDRESS  
CORRE. Dr. Marina Ortolan  
FULL NAME Colecao de Culturas Adolfo Lutz - Instituto Adolfo Lutz  
INSTI. Instituto Adolfo Lutz  
ADDRESS Av. Dr. Arnaldo, 355  
Sao Paulo  
01246  
COUNTRY Brazil  
MAIL NUMBERS TEL 853-01-11-Ramal 110  
STATUS governmental  
DIRECTOR Dr. Marina Ortolan  
CURATORS Carman M.S.Giampaglia (bacteriology)  
Angela C.R. Ghilardi (Bacteriology)  
NUMBER OF STAFFS Bacteriology (2)  
MAIN SUBJECTS Applied microbiology  
Culture and preservation methods  
Freeze drying  
Medical microbiology  
Systematics and taxonomy  
Veterinary  
CULTURE HELD Bacteria (2000)  
Protozoa (15)  
AVAILABILITY OF CULTURES Exchange  
CATALOGUE Need help to publish  
SERVICES Storage service  
Distribution  
DATE OF REPLY 11/ 9/87  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 283

ACRONYM GAM  
POSTAL ADDRESS  
CORRE. Dr. J.A. Serrano  
FULL NAME Grupo Actinomicetales Merida  
INSTI. Universidad de Los Andes  
ADDRESS P.O.Box 164  
Merida  
5101A  
COUNTRY Venezuela  
MAIL NUMBERS TEL 074-638309  
TEX 74173CDCHTULA  
STATUS university  
SPONSORS Departamento de patologia  
DIRECTOR Dr. J.A. Serrano  
CURATORS Mr. E. Garica (Microbiology)

**NUMBER OF STAFFS**

Bacteriology (2)  
MAIN SUBJECTS Applied microbiology  
Systematics and taxonomy  
CULTURE HELD Bacteria (150)  
AVAILABILITY OF CULTURES  
Free  
Exchange  
CATALOGUE Planning to publish in 1988  
SERVICES  
Identi. Bacteria (aetimomycetaler)  
Consult. Preservation  
DATE OF REPLY 12/11/87  
DATE OF ENTRY 11/18/85

**REGISTRATION NUMBER 289**

ACRONYM EATRO  
POSTAL ADDRESS  
CORRE. Dr. W.K. Isharaza  
FULL NAME Uganda Trypanosomiasis Research Organization  
ADDRESS P.O. Box 96  
Tororo  
COUNTRY Uganda  
STATUS governmental  
SPONSORS Gouernment of Uganda and world heacth organisation  
DIRECTOR Dr. W.K. Isharaza  
CURATORS Dr. W.K. Isharaza (biochemistry/immunology)  
Ms. M. Alcol (biochemistry)

**NUMBER OF STAFFS**

Protozoology (5)  
Others (5)  
MAIN SUBJECTS Biochemistry  
Ecology  
Enviornmental protection  
Immunology  
Molecular biology  
Veterinary  
SUBCOLLECTIONS Human sera and cerebral spinal fluid  
CULTURE HELD Protozoa (550)  
AVAILABILITY OF CULTURES  
Free  
CATALOGUE Publish own catalogue once every year  
Planning to publish in 1988  
SERVICES Storage service (in liquid nitrogen and dry ice)  
Identi. Cell lines(Salivarian trypanosoma)  
Training Management of a culture collection  
Culture and preservation methods  
Quality control  
Karyotyping  
DATE OF REPLY 10/12/87  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 291**

ACRONYM UC  
POSTAL ADDRESS  
CORRE. Dr. M. Rodriguez-Leiva  
FULL NAME Laboratory of Microbiology and Immunology, Department of

INSTI. Cellular Biology  
 Catholic University of Santiago, Institute of Biological  
 Sciences  
 ADDRESS Casilla 10409  
 Santiago  
 COUNTRY Chile  
 STATUS university  
 DIRECTOR Dr. Manuel Rodriguez-Leiva  
 CURATORS Dr. Manuel Rodriguez-Leiva  
 MAIN SUBJECTS General microbiology  
 Medical microbiology  
 CULTURE HELD Bacteria (160)  
 Fungi (10)  
 Yeasts (4)  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange  
 SERVICES  
 Identi. Enteric.non-fermentative.gram-negative organisms  
 DATE OF REPLY 9/27/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 294**

ACRONYM ESAP  
 POSTAL ADDRESS  
 CORRE. Prof. Homero Fonseca  
 FULL NAME Instituto Zimotecnico Culture Collection  
 INSTI. Instituto Zimotecnico [ESALQ'  
 ADDRESS Avenida Padua Dias, 11-Cxa. Po  
 Piracicaba  
 Sao Paulo  
 COUNTRY Brazil  
 STATUS university  
 DIRECTOR Prof. Homero Fonseca  
 CURATORS R.N. Neder  
 A. Martinelli  
 R. Camargo  
 C.R. Gallo  
 MAIN SUBJECTS Agriculture  
 Food microbiology  
 General microbiology  
 Industrial microbiology  
 SUBCOLLECTIONS Alcoholic fermentations  
 CULTURE HELD Bacteria (118)  
 Fungi (491)  
 Yeasts (503)  
 DATE OF REPLY 10/ 1/86  
 DATE OF ENTRY 05/31/82

**REGISTRATION NUMBER 295**

ACRONYM GCL  
 POSTAL ADDRESS  
 CORRE. Dr. I. Sechter  
 FULL NAME Central Laboratories  
 INSTI. Ministry of Health Jerusalem  
 ADDRESS Jaffa Street 86  
 Jerusalem

COUNTRY Israel  
STATUS governmental  
DIRECTOR Dr. I. Sechter  
CURATORS Dr. I. Sechter  
MAIN SUBJECTS Medical microbiology  
CULTURE HELD Bacteria (300)  
Viruses :bacteria (180)  
SERVICES  
Identi. Salmonella, Escherichia, Citrobacter diversus  
DATE OF REPLY 10/21/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 296**

ACRONYM LMG  
POSTAL ADDRESS  
CORRE. Prof. J. De Ley  
FULL NAME Collection Laboratorium voor Microbiologie GENT  
INSTI. Fakulteit Wetenschappen - Rijksuniversiteit  
ADDRESS Ledeganckstraat, 35  
Gent  
B9000

COUNTRY Belgium  
STATUS university  
SPONSORS Ministry of Science Policy  
DIRECTOR Prof. J. De Ley  
MAIN SUBJECTS Agriculture  
Biotechnology  
General microbiology  
Plant Pathogens  
SUBCOLLECTIONS Aerobic heterotrophs  
CULTURE HELD Bacteria (7000)  
DATE OF REPLY 10/ 4/84  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 301**

ACRONYM RIMD  
POSTAL ADDRESS  
CORRE. Prof. Toshio Miwatani  
FULL NAME Research Institute for Microbial Diseases  
INSTI. Osaka University  
ADDRESS Yamadaoka 3-1  
Suita  
Osaka

COUNTRY Japan  
STATUS university  
DIRECTOR Prof. Michiaki Takahashi  
CURATORS Prof. Toshio Miwatani  
MAIN SUBJECTS Medical bacteriology  
CULTURE HELD Bacteria (325)  
DATE OF REPLY 12/17/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 305**

ACRONYM GIFU  
POSTAL ADDRESS  
CORRE. Dr. Eiko Yabuuchi

FULL NAME Gifu University Culture Collection  
 INSTI. Department of Microbiology, Gifu University School of  
 Medicine  
 ADDRESS Tsukasa-Machi 40  
 Gifu  
 500  
 COUNTRY Japan  
 MAIL NUMBERS TEL 0582-65-1241 EXT 2239-41  
 FAX 0582-66-7343  
 STATUS university  
 DIRECTOR Dr. Eiko Yabuuchi  
 CURATORS Dr. Takayuki Ezaki (bacteriology)  
 Dr. Hiroyuki Yamamoto (bacteriology)  
 NUMBER OF STAFFS  
 Bacteriology (2)  
 MAIN SUBJECTS Medical microbiology  
 CULTURE HELD Bacteria (250)  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange  
 CATALOGUE Included in a regional catalogue "JFCC Catalogue of  
 Cultures" Published once every year  
 SERVICES  
 Identi. Bacteria (Gram-positive cocci, Gram-negative rods)  
 DATE OF REPLY 12/ 2/87  
 DATE OF ENTRY 05/31/82

**REGISTRATION NUMBER 307**

ACRONYM CCMA  
 POSTAL ADDRESS  
 CORRE. Prof. R.E. Halbinger  
 FULL NAME Coleccion Catedra Microbiologia Agricola  
 INSTI. Facultad Agronomis  
 ADDRESS Av. San Martin 4453  
 Buenos  
 Aires  
 500  
 COUNTRY Argentina  
 STATUS university  
 DIRECTOR Prof. Roberto E. Halbinger  
 CURATORS A.F. Nolte  
 MAIN SUBJECTS Agriculture  
 Industrial microbiology  
 CULTURE HELD Algae (2)  
 Bacteria (1690)  
 Fungi (439)  
 Yeasts (766)  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange  
 DATE OF REPLY 10/10/85  
 DATE OF ENTRY 05/31/82

**REGISTRATION NUMBER 308**

ACRONYM MUCL  
 POSTAL ADDRESS  
 CORRE. Prof. Dr. G.L. Hennebert



FULL NAME Mycotheque de l'Universite Catholique de Louvain  
 INSTI. Laboratoire de Mycologie Systematique et Appliquee  
 Universite Catholique de Louvain  
 ADDRESS Place Croix du Sud 3  
 Louvain-la-Neuve  
 B-1348  
 COUNTRY Belgium  
 MAIL NUMBERS TEL 32-10-473742  
 TEX 59037 ucl b  
 E-mail DCS-02103013  
 STATUS university  
 SPONSORS Belgian Science Programming Office (SPPS) European  
 Commission (CEC)  
 DIRECTOR Prof. G.L. Hennebert  
 CURATORS Prof. G.L. Hennebert (Mycology)  
 NUMBER OF STAFFS Mycology (9)  
 COMPUTER SPECIALIST  
 (1)  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Biodeterioration of materials  
 Culture and preservation methods  
 Fermentation  
 Food science  
 Forest microbiology  
 Freeze drying  
 Industrial microbiology  
 Systematics and taxonomy  
 SUBCOLLECTIONS Philibert Biourge <Penicillium - Aspergillus>  
 Joseph Meyer <tropical Hyphomycetes>  
 CULTURE HELD Fungi (14500)  
 Yeasts (500)  
 AVAILABILITY OF CULTURES  
 Exchange/Fee  
 CATALOGUE Planning to publish in 1988  
 SERVICES Storage service  
 Distribution  
 Identi. Fungi  
 Yeasts  
 Training Management of a culture collection  
 Culture and preservation methods  
 Consult. Preservation  
 Propagation  
 Shipment regulations  
 DATE OF REPLY 11/25/87  
 DATE OF ENTRY 10/26/81  
 REGISTRATION NUMBER 310  
 ACRONYM UPCC  
 POSTAL ADDRESS  
 CORRE. Dr. Elma C. Llaguno  
 FULL NAME Natural Sciences Research Institute Culture Collection  
 INSTI. University of the Philippines  
 ADDRESS University of the Philippines  
 Quezon City  
 1101  
 COUNTRY Philippines

MAIL NUMBERS TEL 975774;97573  
 STATUS governmental  
 university  
 SPONSORS University of the Philippines  
 DIRECTOR Prof. Luisa S. Saniel  
 NUMBER OF STAFFS  
 Bacteriology (1)  
 Mycology (2)  
 MAIN SUBJECTS Applied microbiology  
 Culture and preservation methods  
 Ecology  
 Environmental protection  
 Fermentation  
 Food science  
 Freeze drying  
 General microbiology  
 Industrial microbiology  
 Systematics and taxonomy  
 CULTURE HELD Bacteria (148)  
 Fungi (346)  
 Yeasts (99)  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange/Fee  
 CATALOGUE Planning to publish in 1991  
 SERVICES Storage service  
 Distribution  
 Identi. Bacteria  
 Fungi  
 Yeasts  
 Training Culture and preservation methods  
 Consult. Preservation  
 Propagation  
 DATE OF REPLY 2/10/89  
 DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 312

ACRONYM DBVU  
 POSTAL ADDRESS  
 CORRE. Dr. J.Edmund Sheridan  
 FULL NAME Department of Botany  
 INSTL. Victoria University of Wellington  
 ADDRESS Private Bag  
 Wellington  
 Botany Department  
 COUNTRY New Zealand  
 MAIL NUMBERS TEL 04-721000  
 TEX NZ 30-882  
 STATUS university  
 DIRECTOR Dr. J.Edmund Sheridan  
 CURATORS Dr. J.E. Sheridan (Plant pathology)  
 NUMBER OF STAFFS  
 Mycology (1)  
 MAIN SUBJECTS Plant pathology  
 SUBCOLLECTIONS <Amorphotheca resinae : Drechslera spp.>  
 CULTURE HELD Bacteria (8)  
 Fungi (700)  
 Yeasts (35)

AVAILABILITY OF CULTURES

Fee  
 CATALOGUE Publish own catalogue once every 5 years  
 SERVICES  
 Identi. Fungi (Seed borne fungi)  
 DATE OF REPLY 10/30/87  
 DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 313

ACRONYM LE  
 POSTAL ADDRESS  
 CORRE. Prof. Italo Suassuna  
 FULL NAME Servico de Microbiologia e Imunologia  
 INSTI. Faculdade de Ciencias Medicas - UERJ  
 ADDRESS Rua Prof. Manuel de Abreu, 48  
 Rio de Janeiro  
 20550 RJ  
 COUNTRY Brazil  
 STATUS university  
 DIRECTOR A. Cury  
 CURATORS I.R. Suassuna  
 Prof. I. Suassuna  
 MAIN SUBJECTS Medical microbiology  
 SUBCOLLECTIONS Enterobacteriaceae  
 CULTURE HELD Bacteria (361)  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange  
 DATE OF REPLY 8/10/85  
 DATE OF ENTRY 05/31/82

REGISTRATION NUMBER 314

ACRONYM FIE  
 POSTAL ADDRESS  
 CORRE. Prof.Dr. H. Lyr  
 FULL NAME Culture Collection  
 INSTI. Institut fur Pflanzenschutzforschung  
 ADDRESS Stahnsdorfer Damm 81  
 Kleinmachnow  
 Potsdam-Land  
 1532  
 COUNTRY German Democratic Republic  
 MAIL NUMBERS TEL 22423  
 FAX 015-347  
 STATUS governmental  
 SPONSORS Academy of Agricultural Sciences  
 DIRECTOR Prof. Dr. H. Lyr  
 CURATORS Dr. G. Zollfrank  
 MAIN SUBJECTS Agriculture  
 Forest microbiology  
 General microbiology  
 SUBCOLLECTIONS Wood destroying fungi  
 CULTURE HELD Bacteria (25)  
 Fungi (324)  
 Yeasts (30)  
 AVAILABILITY OF CULTURES  
 Free

CATALOGUE Exchange  
third edition of our List of Cultures was in 1987  
DATE OF ENTRY 05/31/82

**REGISTRATION NUMBER 318**

ACRONYM NZRD (<-NZRDS)  
POSTAL ADDRESS  
CORRE. Dr. L.E. Pearce  
FULL NAME New Zealand Reference Culture Collection of Microorganisms,  
Dairy Section  
INSTI. New Zealand Dairy Research Institute  
ADDRESS Private Bag  
Palmerston North  
COUNTRY New Zealand  
MAIL NUMBERS TEL 63-74129  
TEX NZ31312  
FAX 63-61476  
STATUS semi-governmental  
SPONSORS NZ Dairy Research Institute  
DIRECTOR Dr. L.E. Pearce  
CURATORS J.M. Bennett (Lactic acid bacteria)  
NUMBER OF STAFFS  
MAIN SUBJECTS Bacteriology (1)  
Dairy microbiology  
Industrial microbiology  
CULTURE HELD Bacteria (78)  
Yeasts (1)  
Viruses: bacteria (19)  
AVAILABILITY OF CULTURES  
Exchange  
CATALOGUE Publish own catalogue once every 3 years  
Planning to publish in 1988  
SERVICES  
Consult. Preservation  
Propagation  
Shipment regulations  
DATE OF REPLY 11/ 7/87  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 322**

ACRONYM SAMCC  
POSTAL ADDRESS  
CORRE. Dr. H.H. Kleeberg  
FULL NAME South African Mycobacterial Culture Collection  
INSTI. Tuberculosis Research Institute  
ADDRESS Pretoria  
Transvaal  
COUNTRY New Zealand  
South Africa  
SPONSORS Medical Research Council of South Africa  
DIRECTOR Dr. H.H. Kleeberg  
CURATORS Miss E.E. Nel  
MAIN SUBJECTS Environmental microbiology  
Medical microbiology  
CULTURE HELD Bacteria (800)  
AVAILABILITY OF CULTURES  
Free

DATE OF REPLY 12/19/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 327

ACRONYM LRL  
POSTAL ADDRESS  
CORRE. Dr. Frederick P. Mertz  
FULL NAME Lilly Culture Collection  
INSTL. Eli Lilly and Company  
ADDRESS 307 E. McCarty St.  
Indianapolis  
Indiana  
46285  
COUNTRY USA  
MAIL NUMBERS TEL 317-276-4204  
STATUS industry  
DIRECTOR Dr. Wayne Millar  
CURATORS Mr. Thomas Butler  
NUMBER OF STAFFS  
Assistants (1)  
MAIN SUBJECTS Fermentation  
Genetic engineering  
Industrial microbiology  
CULTURE HELD Algae (8)  
Bacteria (400)  
Fungi (1000)  
Yeasts (40)  
Actinomycetes (9000)  
AVAILABILITY OF CULTURES  
Restricted  
CATALOGUE No intention to publish  
DATE OF REPLY 11/18/87  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 330

ACRONYM WCLRNY  
POSTAL ADDRESS  
CORRE. Dr. Mehdi Shayegani  
FULL NAME Wadsworth Center for Laboratories and Research  
ADDRESS Empire State Plaza  
Albany  
New York  
12201  
COUNTRY USA  
STATUS governmental  
CURATORS Dr. Mehdi Shayegani (Bacteriology)  
NUMBER OF STAFFS  
Bacteriology (part time 2)  
MAIN SUBJECTS General microbiology  
Medical microbiology  
Research  
Teaching  
CULTURE HELD Bacteria (370)  
AVAILABILITY OF CULTURES  
Free  
Limited  
CATALOGUE No intention to publish

## SERVICES

Identi. Bacteria (Medial)  
 DATE OF REPLY 11/24/87  
 DATE OF ENTRY 01/12/83

## REGISTRATION NUMBER 333

ACRONYM CCY

## POSTAL ADDRESS

CORRE. Dr. Anna Kockova-Kratochvilova Prof.  
 FULL NAME Czechoslovak Collection of Yeasts  
 INSTI. Institute of Chemistry, Centre of Chemical Research  
 Slovakrch Slovak Academy of Sciences

ADDRESS Dubravska cesta 9  
 84238 Bratislava

COUNTRY Czechoslovakia

MAIL NUMBERS TEL 375-000

STATUS governmental

SPONSORS Slovak Academy of Sciences

DIRECTOR Ing Elena Slavikova

CURATORS Ing Renata Kovacovska (Ecology, biotechnology)  
 Ing Emilia Breierovaka (Preservation of cultures, chemistry)  
 Rosalia Bartkovjakova (Technical)  
 Lydia Hronska (Technical)  
 Maria Raffayova (Technical-preparation of media)

## NUMBER OF STAFFS

Mycology (7)

## COMPUTER SPECIALIST

Ing Elena Slavikova

## MAIN SUBJECTS

Agriculture  
 Applied microbiology  
 Biochemistry  
 Culture and preservation methods  
 Ecology  
 Fermentation  
 Food science  
 General microbiology  
 Genetics  
 Immunology  
 Industrial microbiology  
 Liquid nitrogen preservation  
 Medical microbiology  
 Pharamacology  
 Physiology  
 Systematics and taxonomy  
 Veterinary

## SUBCOLLECTIONS

RIVE - Research Institute for Viticulture and Enology  
 Bratislava <wine yeasts>  
 DBM - Department of Biochemistry and Microbiology Prague  
 <genetics>  
 RIBM - Research Institute for Brewing and Malting Prague  
 <brewing yeasts>  
 RIFIS - Research Institute of food industry, Prague  
 CCPY - Laboratory of mycological research, Faculty of  
 medicine Bratislav

## CULTURE HELD

Algae (10)  
 Yeasts (4000)

## AVAILABILITY OF

CULTURES  
 Exchange/Fee

CATALOGUE Publish own catalogue once every 5-10 years  
 Planning to publish in 1995

SERVICES Patent deposits (yeasts and heterotrophic algae)  
 Storage service (liquid nitrogen and paraffin oil)  
 Distribution (in Czechoslovakia and in the whole world)

Identi. Yeasts  
 Training Management of a culture collection  
 Culture and preservation methods  
 Quality control  
 Use of computer in culture collections  
 Numerical taxonomy and/or probabilistic identification  
 Modern factor analysis

Consult. Patent deposits  
 Preservation  
 Propagation

DATE OF REPLY 11/20/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 334**

ACRONYM AHLDA  
 POSTAL ADDRESS  
 CORRE. Mrs. J. Lloyd  
 FULL NAME Animal Health Division Culture Collection  
 INSTI. Department of Agriculture  
 ADDRESS Jarrah Road  
 South Perth  
 Westren Australia  
 6151

COUNTRY Australia  
 STATUS governmental  
 DIRECTOR Mr. N.J. Halse  
 CURATORS Dr. G.M. Robertson  
 MAIN SUBJECTS Veterinary  
 CULTURE HELD Bacteria (700)  
 AVAILABILITY OF CULTURES Free

DATE OF REPLY 3/10/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 335**

ACRONYM NZRP (<-NZRCC)  
 POSTAL ADDRESS  
 CORRE. Dr. J.M. Young  
 FULL NAME New Zealand Reference Culture Collection and soil  
 Section  
 ADDRESS c/o Plant Disesse Division  
 DSIR  
 Private bag  
 Auckland  
 New Zealand

COUNTRY New Zealand  
 MAIL NUMBERS TEL Auckland 09-893660  
 TEX NZ 21623  
 FAX Auckland 09-863330

STATUS governmental  
 DIRECTOR J.M. Young  
 NUMBER OF STAFFS Bacteriology (1)

**COMPUTER SPECIALIST**

**MAIN SUBJECTS** D.W. Patfield  
Agriculture  
Applied microbiology  
Ecology  
General microbiology  
Plant pathology  
Systematics and taxonomy

**CULTURE HELD** Bacteria (475)

**AVAILABILITY OF CULTURES**  
Exchange/Fee

**CATALOGUE** Included in a regional catalogue:  
"International Collection of Micro-organisms from Plants"  
published once every 5 years  
Planning to publish in 1987

**SERVICES** Storage service (Vacuum drying, under oil, deep freeze  
-80C)  
Distribution

**Identi.** Bacteria (Agricultural micro-organisms, negotiable charge)  
Fungi (Agricultural micro-organisms, negotiable charge)

**Training** Management of a culture collection  
Culture and preservation methods  
Use of computer in culture collections

**Consult.** Numerical taxonomy and/or probabilistic identification  
Preservation  
Propagation  
Plant quarantine

**DATE OF REPLY** 12/ 1/87

**DATE OF ENTRY** 10/26/81

**REGISTRATION NUMBER 337**

**ACRONYM** RIA

**POSTAL ADDRESS**  
**CORRE.** Dr. S.E. Gorin  
**FULL NAME** The USSR Research Institute for Antibiotics Culture  
Collection  
**INSTI.** USSR Research Institute for Antibiotics  
**ADDRESS** Nagatinskaya, 3-a  
Moscow  
113105

**COUNTRY** USSR

**MAIL NUMBERS** TEL 111.20.20

**STATUS** governmental

**SPONSORS** The Ministry of Medical Industry of USSR

**DIRECTOR** Dr. S.E. Gorin

**CURATORS** Dr. O.A. Bushueva (Actinomycetes)  
Dr. S.V. Ustujanina (Fungi)  
Dr. V.V. Esipova (Bacteria)

**NUMBER OF STAFFS**  
Bacteriology (5)  
Mycology (1)  
Assistants (7)

**MAIN SUBJECTS**  
Culture and preservation methods  
Freeze drying  
General microbiology  
Genetic engineering  
Genetics



Industrial microbiology  
 Maintenance of antibiotic activity of industrial strains  
 Systematics and taxonomy  
 CULTURE HELD Bacteria (1558)  
 Fungi (394)  
 Yeasts (12)  
 Plasmids (103)  
 Vectors (2)  
 AVAILABILITY OF CULTURES  
 Fee  
 CATALOGUE Included in a regional catalogue:  
 'Catalogue of Cultures of Microorganisms Maintained in the  
 Institute of the USSR,1981' published once every year  
 Planning to publish in 1990  
 SERVICES Patent deposits (under the Budapest treaty)  
 Storage service (freeze-drying)  
 Distribution (on exchange)  
 Consult. Patent deposits  
 Preservation  
 Propagation  
 DATE OF REPLY 4/28/88  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 338**

ACRONYM SGSC (<-LSCC)  
 POSTAL ADDRESS  
 CORRE. Dr. Kenneth E. Sanderson  
 FULL NAME Salmonella Genetic Stock Centre  
 INSTI. Department of Biological Sciences,  
 University of Cargary  
 ADDRESS 2500 University Drive N.W.  
 Calgary  
 Alberta  
 T2N 1N4  
 COUNTRY Canada  
 MAIL NUMBERS TEL 403-220-6792  
 TEX 03-821545  
 FAX 403-282-7298  
 STATUS university  
 SPONSORS Natural Sciences and Engineering Research  
 Council of Canada(NSERC);  
 Department of Biological Sciences, University of Cargary  
 DIRECTOR Dr. Kenneth E. Sanderson  
 CURATORS Ms. Donna Douey (Bacteriology)  
 NUMBER OF STAFFS Bacteriology (2)  
 COMPUTER SPECIALIST  
 Local consultant, paid on contract basis (about 10%  
 of full time)  
 MAIN SUBJECTS Genetic engineering  
 Genetics  
 Medical microbiology  
 Molecular biology  
 CULTURE HELD Bacteria (8000)  
 Plasmids (30)  
 Viruses: bacteria (40)  
 AVAILABILITY OF CULTURES  
 Free/Fee (Fee for commercial firms.

CATALOGUE Free for the other researchers)  
SERVICES Planning to publish in 1988  
Storage service (Genetic stocks of Salmonella typhimurium)  
Distribution (Genetic stocks of Salmonella typhimurium)  
DATE OF REPLY 11/ 5/87  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 339**

ACRONYM MCML  
POSTAL ADDRESS  
CORRE. Dr. David J. Stewart  
FULL NAME McMaster Culture Collection  
INSTI. CSIRO Division of Animal Health  
ADDRESS Private Bag No. 1, Cnr. Flemin  
Melbourne  
Victoria  
T2N 1N4  
COUNTRY Australia  
STATUS governmental  
DIRECTOR Dr. T.J. Bagust  
CURATORS D.J. Stewart  
MAIN SUBJECTS Veterinary  
CULTURE HELD Bacteria (250)  
DATE OF REPLY 7/ 3/86  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 342**

ACRONYM VKM  
POSTAL ADDRESS  
CORRE. Dr. L.V. Kalakoutsii  
FULL NAME The Department of Culture Collection  
INSTI. Institute of Biochemistry and Physiology of Microorganisms,  
USSR Academy of Sciences  
ADDRESS Pushchino  
Moscow Region  
142292  
COUNTRY USSR  
STATUS governmental  
DIRECTOR Dr. L.V. Kalakoutsii  
MAIN SUBJECTS Agriculture  
General microbiology  
Industrial microbiology  
CULTURE HELD Bacteria (1845)  
Fungi (2221)  
Yeasts (2498)  
AVAILABILITY OF CULTURES Exchange  
DATE OF REPLY 12/ 5/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 343**

ACRONYM KCC  
POSTAL ADDRESS  
CORRE. Dr. Akio Seino  
FULL NAME Culture Collection of Actinomycetes  
INSTI. Kaken Pharmaceutical Co., Ltd.

ADDRESS 6-42 Jujodai 1-chome  
 Kita-Ku  
 Tokyo  
 COUNTRY Japan  
 STATUS industry  
 DIRECTOR Dr. Shiroh Shirato  
 CURATORS Akio Seino  
 MAIN SUBJECTS Agriculture  
 General microbiology  
 Industrial microbiology  
 CULTURE HELD Bacteria (1576)  
 AVAILABILITY OF CULTURES  
 Fee  
 DATE OF REPLY 11/10/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 344**

ACRONYM UMIP  
 POSTAL ADDRESS  
 CORRE. Dr. C. de Bievre  
 FULL NAME Collection de Champignons et Actinomycetes Pathogenes  
 INSTI. Institut Pasteur  
 ADDRESS dlu Dr Roux  
 Paris  
 75724 Cedex  
 COUNTRY France  
 MAIL NUMBERS TEL 45-68-83-57  
 STATUS private  
 DIRECTOR Dr. C. de Bievre  
 NUMBER OF STAFFS  
 Mycology (1)  
 MAIN SUBJECTS Biochemistry  
 Medical microbiology  
 Systematics and taxonomy  
 CULTURE HELD Fungi (650)  
 Yeasts (150)  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange/Fee  
 CATALOGUE Publish own catalogue once every year  
 Planning to publish in 1988  
 SERVICES Patent deposits (Under Budapest treaty)  
 Distribution  
 Identi. Fungi (Pathogenic for human)  
 Yeasts (Pathogenic for human)  
 DATE OF REPLY 9/11/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 345**

ACRONYM LIPP  
 POSTAL ADDRESS  
 CORRE. Dr. Baranton  
 FULL NAME Leptospirotheque  
 INSTI. Institut Pasteur  
 ADDRESS 28 rue du Docteur Roux  
 Paris  
 75724 Cedex 15

COUNTRY France  
 STATUS private  
 DIRECTOR Prof. Mollaret  
 CURATORS Dr. Baranton (Bacteriology)  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Bacteriology (1)  
 Applied microbiology  
 Culture and preservation methods  
 Ecology  
 General microbiology  
 Genetics  
 Industrial microbiology  
 Medical microbiology  
 Molecular biology  
 Systematics and taxonomy  
 Veterinary  
 SUBCOLLECTIONS National Reference Center <International Reference Strains>  
 CULTURE HELD Bacteria (173)  
 AVAILABILITY OF CULTURES  
 Free/Fee  
 CATALOGUE No intention to publish  
 SERVICES Patent deposits (Leptospire)  
 Storage service (Leptospire)  
 Distribution (Leptospire)  
 Identi. Bacteria (Leptospire)  
 DATE OF REPLY 11/ 2/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 346**

ACRONYM CIPT  
 POSTAL ADDRESS  
 CORRE. Prof. Hugo David  
 FULL NAME Collection Institut Pasteur Tuberculose  
 INSTI. Institut Pasteur  
 ADDRESS 25 rue du Dr Roux  
 Paris  
 75724 Pari Cedex 15  
 COUNTRY France  
 MAIL NUMBERS TEL 33.1.45688360  
 STATUS private  
 SPONSORS Institut Pasteur  
 DIRECTOR Prof. Hugo L. David  
 CURATORS Veronique Levy-Frebault (Mycobacteria)  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Bacteriology (1)  
 Medical microbiology  
 Systematics and taxonomy  
 SUBCOLLECTIONS <Mycobacterial mutants>  
 <Mycophages and host strains>  
 CULTURE HELD Bacteria (600)  
 Mycophages (52)  
 Mycobacterial mutants (12)  
 AVAILABILITY OF CULTURES  
 Fee  
 CATALOGUE No intention to publish  
 SERVICES Storage service  
 Distribution (Reference, Quality control)  
 Identi. Bacteria (Mycobacteria)

Training Lysotipy of mycobacteria  
 Consult. Quality control  
 Consult. Identification of mycobacteria  
 DATE OF REPLY 1/25/88  
 DATE OF ENTRY 11/10/81

REGISTRATION NUMBER 348

ACRONYM CCALA  
 POSTAL ADDRESS  
 CORRE. Dr. Jaromir Lukavsky  
 FULL NAME Culture Collection of Autotrophic Organisms  
 INSTI. Institute of Botany, Czechoslovakg Academy of Science  
 ADDRESS Dukelska 145  
 Trebon  
 379 82 CS  
 COUNTRY Czechoslovakia  
 MAIL NUMBERS TEL 2522 TREBON(0333)  
 STATUS governmental  
 SPONSORS Czechosl. Acad. Sci, Inst Botany  
 CURATORS Dr. Jaremir Lukavsky (Algae)  
 NUMBER OF STAFFS

MAIN SUBJECTS Algology (1)  
 Assistants (2)  
 Agriculture  
 Biochemistry  
 Cell biology  
 Culture and preservation methods  
 Developmental biology  
 Ecology  
 Environmental protection  
 Food science  
 Genetics  
 Industrial microbiology  
 Pharamacology  
 Physiology  
 Systematics and taxonomy

CULTURE HELD Algae (498)  
 Bryophyta (152)  
 Lemnaceae (12)  
 Pteridophyta (12)

AVAILABILITY OF CULTURES  
 Free  
 Exchange  
 CATALOGUE Included in a regional catalogue:  
 "Index Seminum et Plantarum" published once every year  
 Planning to publish in 1989

SERVICES Patent deposits (Production strains)  
 Storage service (Type strains)  
 Distribution  
 Identi. Algae (Cyanophyta, Chlorophyta, Diatoms)  
 Training Culture and preservation methods  
 Numerical taxonomy and/or probabilistic identification  
 Taxonomic determination

Consult. Preservation  
 OTHER SERVICES Utilization for taxonomy  
 DATE OF REPLY 6/ 3/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 349**

ACRONYM GCRI  
 POSTAL ADDRESS  
 CORRE. Dr. Alan A. Brunt  
 FULL NAME Plant Virus Collection  
 INSTI. AFRC Institute of Horticultural Research  
 ADDRESS Worthing Road  
 Littlehampton  
 Sussex  
 BN17 6LP  
 COUNTRY United Kingdom  
 MAIL NUMBERS TEL 0903-716123  
 TEX 957251EMRSG  
 STATUS semi-governmental  
 DIRECTOR Dr. A.A. Brunt  
 CURATORS Dr. A.A. Brunt (Plant virus taxonomy)  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Virology (5)  
 Agriculture  
 Molecular biology  
 Plant pathology  
 CULTURE HELD Viruses: plant (325)  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange  
 CATALOGUE Planning to publish in 1988  
 SERVICES  
 Identi. Viruses (Plant Viruses)  
 DATE OF REPLY 12/14/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 350**

ACRONYM NRL  
 POSTAL ADDRESS  
 CORRE. Dr. King K. Holmes  
 FULL NAME Neisseria Reference Laboratory  
 INSTI. Department of Medicine ZA.20 Harborview Medical Center  
 ADDRESS 325 Ninth Avenue  
 Seattle  
 Washington  
 98104  
 COUNTRY USA  
 STATUS governmental  
 MAIN SUBJECTS Medical microbiology  
 SERVICES  
 Identi. Neisseria species primarily of human origin  
 DATE OF REPLY 3/10/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 351**

ACRONYM PPRI  
 POSTAL ADDRESS  
 CORRE. Dr. C. Roux  
 FULL NAME National Collection of Fungi: Culture Collection  
 INSTI. Plant Protection Research Institute

ADDRESS Private Bag X134  
 Pretoria  
 0001  
 COUNTRY South Africa  
 MAIL NUMBERS TEL 012-285140 X232  
 TEX 322149  
 E-mail telegraphic address/Entomologist  
 STATUS governmental  
 SPONSORS N.A.  
 DIRECTOR Dr. C. Roux  
 CURATORS Dr. Cecilia Roux (Coelomycetes)  
 Mr. Ryaneleh (Fusaria, Hyphomyestetes)  
 Mrs. L.A. Schutte (Penicillium, Aspergillus)  
 Miss. Alice P. Baxter (Colletotrichum, Aphylllophorales)  
 Mrs. Blna Vande Mude (Ascomycetes, Leptospherulina)  
 MAIN SUBJECTS Agriculture  
 Entomophagous fungi  
 Forest microbiology  
 General microbiology  
 Systematics and taxonomy  
 Veterinary  
 Entomophagous fungi  
 CULTURE HELD Fungi (3500)  
 AVAILABILITY OF CULTURES Free  
 CATALOGUE Publish own catalogue once every 3 years  
 SERVICES  
 Identif. Fungi  
 Consult. Plant quarantine  
 DATE OF REPLY 2/ 4/88  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 354**

ACRONYM DA  
 POSTAL ADDRESS  
 CORRE. Dr. Tom Loynachan  
 FULL NAME Soil Microbiology  
 INSTL. Iowa State University, Department of Agronomy  
 ADDRESS Ames  
 Iowa  
 50011  
 COUNTRY USA  
 STATUS university  
 DIRECTOR Dr. John Pesek  
 CURATORS Dr. Tom Loynachan  
 MAIN SUBJECTS Agriculture  
 SUBCOLLECTIONS Rhizobium  
 CULTURE HELD Bacteria (40)  
 Fungi (10)  
 DATE OF REPLY 4/ 3/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 355**

ACRONYM ITA  
 POSTAL ADDRESS  
 CORRE. Mr. B.A. Pike  
 FULL NAME Bacteriology Laboratory

INSTI. Tasmanian Department of Agriculture  
 ADDRESS 165 Westbury Road  
 Launceston  
 Tasmania  
 7250  
 COUNTRY Australia  
 STATUS governmental  
 DIRECTOR B.A. Pike  
 CURATORS B.A. Pike  
 MAIN SUBJECTS Agriculture  
 CULTURE HELD Bacteria (60)  
 DATE OF REPLY 6/ 3/81  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 356**

ACRONYM NGR  
 POSTAL ADDRESS  
 CORRE. Officer in Charge  
 FULL NAME Plant Pathology  
 INSTI. Department of Primary Industry  
 ADDRESS P.O. Box 2417  
 Konedobu  
 Port Moresby  
 7250  
 COUNTRY Papua New Guinea  
 STATUS governmental  
 DIRECTOR Mr. G. Kula (Chief Plant Pathologist)  
 CURATORS Dr. D.L. Tomlinson  
 MAIN SUBJECTS Agriculture  
 CULTURE HELD Bacteria (270)  
 SERVICES  
 Identi. Fungal, bacterial plant pathogens in PNG  
 DATE OF REPLY 11/30/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 357**

ACRONYM RIO  
 POSTAL ADDRESS  
 CORRE. Dr. E.B. Roslycky  
 INSTI. Research Center, Agriculture Canada  
 ADDRESS University Sub P.O.  
 London  
 Ontario  
 N6A 5B7  
 COUNTRY Canada  
 MAIL NUMBERS TEL 519-679-4452  
 STATUS governmental  
 private  
 DIRECTOR Dr. E.B. Roslycky  
 CURATORS Martha Welsh  
 NUMBER OF STAFFS  
 Bacteriology (1)  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Ecology  
 Forest microbiology  
 General microbiology



Insect  
 Plant pathology  
 Systematics and taxonomy  
 SUBCOLLECTIONS <Bacilli>  
 CULTURE HELD Bacteria (246)  
 Fungi (10)  
 Viruses: bacteria (16)  
 AVAILABILITY OF CULTURES  
 Free/Fee  
 CATALOGUE Need help to publish  
 SERVICES Storage service  
 Distribution  
 Identi. Bacteria  
 Fungi  
 Viruses  
 DATE OF REPLY 10/29/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 360**

ACRONYM DMAC  
 POSTAL ADDRESS  
 CORRE. Dr. Lennart Torstensson  
 FULL NAME Department of Microbiology  
 INSTI. Swedish University of Agricultural Sciences  
 ADDRESS Uppsala  
 S-750 07  
 COUNTRY Sweden  
 STATUS university  
 DIRECTOR Prof. Hans Ljunggren  
 CURATORS Dr. Lennart Torstensson  
 MAIN SUBJECTS Agriculture  
 General microbiology  
 SUBCOLLECTIONS Rhizobium and other soil microorganisms  
 CULTURE HELD Bacteria (460)  
 Fungi (420)  
 Yeasts (55)  
 DATE OF REPLY 4/18/85  
 DATE OF ENTRY 11/24/81

**REGISTRATION NUMBER 364**

ACRONYM BRAPA  
 POSTAL ADDRESS  
 CORRE. Dr. Avilio A. Franco  
 FULL NAME UAPNPBS  
 INSTI. EMBRAPA  
 ADDRESS Km 47  
 Seropedica  
 Rio de Janeiro  
 STATUS university  
 COUNTRY Brazil  
 STATUS governmental  
 DIRECTOR Dr. J. Dobereiner  
 CURATORS Dr. Avilio A. Franco  
 MAIN SUBJECTS Agriculture  
 SUBCOLLECTIONS Rhizobium and Azospirillum  
 CULTURE HELD Bacteria (11)  
 DATE OF REPLY 3/10/85

DATE OF ENTRY 05/31/82

**REGISTRATION NUMBER 365**

ACRONYM DAR (<- H DAR)  
POSTAL ADDRESS  
CORRE. Dr. John Walker  
FULL NAME Plant Pathology Branch Herbarium  
INSTI. Department of Agriculture NSW, Biological and Chemical  
Research Institute  
ADDRESS P.M.B. 10  
Rydalmere  
New South Wales  
2116  
COUNTRY Australia  
MAIL NUMBERS TEL 02-683-9777  
STATUS governmental  
DIRECTOR John Walker (Plant parasitic fungi)  
CURATORS M.J. Priest (Plant parasitic fungi)  
NUMBER OF STAFFS  
Mycology (2)  
Assistants (3)  
MAIN SUBJECTS Agriculture  
Culture and preservation methods  
Plant pathology  
Systematics and taxonomy  
SUBCOLLECTIONS Culture Collection run in association with Herb. DAR  
with over 74000 specimens of fungi and plant diseases  
CULTURE HELD Bacteria (1500)  
Fungi (2500)  
AVAILABILITY OF CULTURES  
Free  
Exchange/Fee  
CATALOGUE No intention to publish  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 366**

ACRONYM BRI  
POSTAL ADDRESS  
CORRE. Dr. Annika Mayra-Makinen  
FULL NAME Starter Collection of the Valio Laboratory  
INSTI. Valio Laboratory  
ADDRESS Kalevankatu 56  
Helsinki  
COUNTRY Finland  
STATUS industry  
DIRECTOR Dr. Kai Salminen  
MAIN SUBJECTS Dairy starters  
CULTURE HELD Bacteria (1300)  
DATE OF REPLY 10/28/87  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 368**

ACRONYM INRA  
POSTAL ADDRESS  
CORRE. Dr. N. Amarger  
FULL NAME Microbiologie des Sols

INSTI. Institut National de la Recherche Agronomique  
ADDRESS 17 Rue Sully, B.V. 1540  
Dijon  
Cedex21034  
COUNTRY France  
STATUS governmental  
DIRECTOR Gerard Catroux  
CURATORS N. Amarger  
MAIN SUBJECTS Agriculture  
CULTURE HELD Bacteria (2800)  
DATE OF REPLY 4/18/85  
DATE OF ENTRY 05/31/82

**REGISTRATION NUMBER 373**

ACRONYM PIR  
POSTAL ADDRESS  
CORRE. Dr. L. Raicheva  
FULL NAME Bulgarian Research Culture Collection  
INSTI. N. Poushkarov-Institute of Soil Science and Yield Prediction  
ADDRESS bul.D.Blagoev 8  
Sofia 1606  
COUNTRY Bulgaria  
STATUS governmental  
DIRECTOR L. Glogov  
MAIN SUBJECTS Agriculture  
Applied microbiology  
Industrial microbiology  
CULTURE HELD Bacteria (301)  
CATALOGUE Included in a regional catalogue:  
'Bulgarian National Collection of Microorganisms'  
SERVICES Storage Service  
Identi. Bacteria  
Training Culture and preservation methods  
Consul. Preservation  
Shipment regulation  
DATE OF REPLY 2/ 1/88  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 375**

ACRONYM ISS  
POSTAL ADDRESS  
CORRE. Dr. Z. Vojinovic  
FULL NAME Institut of Soil Science  
ADDRESS T. Dražera 7  
Beograd  
Serbia  
11000  
COUNTRY Yugoslavia  
MAIL NUMBERS TEL 011-667-199; 662-821  
STATUS semi-governmental  
SPONSORS Community for Scientific Researches. Centre for Agricultural  
Research and Development  
DIRECTOR Dr. Z. Vojinovic  
CURATORS Mr. Bogic Milicic (Biologist)  
Mrs. D. Radin (Microbiologist)  
NUMBER OF STAFFS Bacteriology (4)

MAIN SUBJECTS Assistants (3)  
Agriculture  
Applied microbiology  
Environmental protection  
Production of Rhizobium inoculants  
SUBCOLLECTIONS <Rhizobium>  
CULTURE HELD Bacteria (180)  
AVAILABILITY OF CULTURES  
Exchange  
CATALOGUE No intention to publish  
DATE OF REPLY 12/15/87  
DATE OF ENTRY 05/31/82

REGISTRATION NUMBER 376

ACRONYM WARC  
FULL NAME New Zealand Reference Culture Collection  
INSTI. Wallaceville Animal Research Centre  
ADDRESS Private Bag  
Wellington  
COUNTRY New Zealand  
STATUS governmental  
CURATORS Dr. T.M. Skerman  
MAIN SUBJECTS Veterinary  
DATE OF REPLY 12/24/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 377

ACRONYM NIAI  
POSTAL ADDRESS  
CORRE. Dr. Sylvia Cunningham  
FULL NAME Research Reagents  
INSTI. Research Resources Br., EAP, NIAID, National Institutes of  
Health  
ADDRESS Building 31, Room 7A-11  
Bethesda  
Maryland  
CURATORS Dr. T.M. Skerman  
COUNTRY USA  
STATUS governmental  
DIRECTOR Sylvia Cunningham, Acting Br. Chief  
AVAILABILITY OF CULTURES  
Free  
DATE OF REPLY 3/20/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 381

ACRONYM LMAU  
POSTAL ADDRESS  
CORRE. Dr. A.W.S.M. v. Egeraat  
FULL NAME Laboratory of Microbiology  
INSTI. Agricultural University  
ADDRESS Hesselink van Suchtelenweg 4  
Wageningen  
Gelderland  
CURATORS Dr. T.M. Skerman  
COUNTRY Netherlands

DIRECTOR Prof. Dr. A.J.B. Zehnder  
 CURATORS J.W. de Bruin-Tol  
 Dr. A.W.S.M. v. Egeraat  
 MAIN SUBJECTS Agriculture  
 General microbiology  
 SUBCOLLECTIONS Collections of Coryneform bacteria (500)  
 Rhizobium bacteria (175) and Frankia bacteria (150) (Curator  
 Dr. A.D.L.  
 CULTURE HELD Bacteria (1200)  
 Fungi (90)  
 Yeasts (150)  
 Viruses:bacteria (2)  
 DATE OF REPLY 10/30/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 382**

ACRONYM WIM  
 POSTAL ADDRESS  
 CORRE. Mrs. Mary P. Lechevalier  
 FULL NAME LL - Collection  
 INSTI. Waksman Institute of Microbiology, Rutgers University  
 ADDRESS P.O. Box 759  
 Piscotaway  
 New Jersey  
 08855-0759  
 COUNTRY USA  
 MAIL NUMBERS TEL 201-932-3051  
 STATUS university  
 DIRECTOR Dr. H.A. Lechevalier  
 CURATORS M.P. Lechevalier (Actinomycetes)  
 NUMBER OF STAFFS  
 Assistants (1)  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Developmental biology  
 Ecology  
 Environmental protection  
 Fermentation  
 Forest microbiology  
 General microbiology  
 Physiology  
 Systematics and taxonomy  
 CULTURE HELD Bacteria (4000)  
 Fungi (30)  
 AVAILABILITY OF CULTURES Available on a case-by-case basis  
 CATALOGUE No intention to publish  
 SERVICES Distribution (on a case-by-case basis.)  
 Identi. Bacteria (Actinomycetes other than Streptomyces)  
 Training Chemotaxonomy of a Actinomycetes  
 Consult. Taxonomy of Actinomycetes  
 DATE OF REPLY 12/ 3/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 383**

ACRONYM TISTR  
 POSTAL ADDRESS

CORRE. Wanchern Daengsubha  
 FULL NAME TISTR Culture Collection  
 INSTI. Thailand Institute of Scientific and Technological Research  
 ADDRESS 196 Phahonyothin Road  
 Bangkok  
 10900  
 COUNTRY Thailand  
 STATUS governmental  
 DIRECTOR Poonsook Atthasampunna  
 CURATORS Mrs. Wanchern Daengsubha  
 MAIN SUBJECTS Agriculture  
 General microbiology  
 Industrial microbiology  
 CULTURE HELD Bacteria (444)  
 Fungi (255)  
 Yeasts (300)  
 DATE OF REPLY 5/ 4/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 387**

ACRONYM JCT  
 POSTAL ADDRESS  
 CORRE. Associate Prof. W.A. Shipton  
 FULL NAME James Cook, Townsville  
 INSTI. James Cook University  
 ADDRESS Botany Department  
 Townsville  
 Queensland  
 4811  
 COUNTRY Australia  
 MAIL NUMBERS TEL 077 81-4111  
 TEX AA 47009  
 FAX 077-79 6371  
 STATUS university  
 DIRECTOR Dr. W.A. Shipton  
 CURATORS Mrs. C. McGrath  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Part time (1)  
 General microbiology  
 Plant pathology  
 Veterinary  
 CULTURE HELD Bacteria (60)  
 Fungi (181)  
 Yeasts (38)  
 AVAILABILITY OF CULTURES  
 Exchange/Fee  
 CATALOGUE No intention to publish  
 SERVICES Storage service (for Research projects in Department)  
 Training Teaching principles of taxonomy  
 DATE OF REPLY 10/29/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 392**

ACRONYM DVBVD  
 POSTAL ADDRESS  
 CORRE. Dr. N. Karabatsos  
 FULL NAME Division Vector-Borne Viral Diseases

INSTL. Centers for Disease Control  
 ADDRESS P.O. Box 2087  
 Fort Collins  
 Colorado  
 4811  
 COUNTRY USA  
 STATUS governmental  
 DIRECTOR Dr. Thomas P. Monath  
 CURATORS Dr. N. Karabatsos  
 MAIN SUBJECTS arboviruses  
 human disease  
 veterinary disease  
 Medical microbiology  
 CULTURE HELD Cell lines: animal (8)  
 Viruses animal (335)  
 SERVICES  
 Identi. Arboviruses  
 DATE OF REPLY 3/10/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 395**  
 ACRONYM YARU  
 POSTAL ADDRESS  
 CORRE. Dr. Robert E. Shope  
 INSTI. Yale Arbovirus Research Unit  
 ADDRESS Box 3333  
 New Haven  
 CT  
 06510  
 COUNTRY USA  
 STATUS university  
 SPONSORS U.S. National institutes of health; World health  
 organization; U.S. Army  
 DIRECTOR Dr. Robert E. Shope  
 CURATORS Dr. Robert E. Shope (Vesicular viruses, Rabdo viruses)  
 NUMBER OF STAFFS  
 Virology (7)  
 Assistants (5)  
 COMPUTER SPECIALIST  
 Peter Mason  
 MAIN SUBJECTS Agriculture  
 Culture and preservation methods  
 Freeze drying  
 Genetic engineering  
 Immunology  
 Medical microbiology  
 Molecular biology  
 Systematics and taxonomy  
 Veterinary  
 CULTURE HELD Cell lines: animal (8)  
 Hybridomas: animal (25)  
 Viruses: animal (700+)  
 AVAILABILITY OF CULTURES  
 Free  
 CATALOGUE Planning to publish in 1988  
 SERVICES  
 Identi. Viruses  
 Training Culture and preservation methods

DATE OF REPLY 11/ 3/87  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 398**

ACRONYM VRLI  
POSTAL ADDRESS  
CORRE. Prof. Oyewale Tomori  
FULL NAME Department of Virology  
INSTI. University of Ibadan  
ADDRESS Ibadan  
Oyo  
06510  
COUNTRY Nigeria  
STATUS university  
DIRECTOR Prof. Oyewale Tomori  
MAIN SUBJECTS Medical microbiology  
Veterinary  
CULTURE HELD Cell lines animal (3)  
Viruses: animal (100)  
SERVICES  
Identi. Human, animal viruses  
DATE OF REPLY 7/ 5/85  
DATE OF ENTRY 05/31/82

**REGISTRATION NUMBER 400**

ACRONYM MCITM  
POSTAL ADDRESS  
CORRE. Prof. Peter Piot (Dept. of Microbiology)  
FULL NAME Bacterial Culture Collection  
INSTI. Institute Tropical Medicine  
ADDRESS Nationalestraat 155  
Antwerpen  
B 2000  
COUNTRY Belgium  
STATUS governmental  
DIRECTOR Prof. Peter Piot  
CURATORS Eddy van Dyck  
MAIN SUBJECTS Medical microbiology  
CULTURE HELD Bacteria (3500)  
SERVICES  
Identi. Mycobacteria, Neisseriaceae, Haemophili  
DATE OF REPLY 3/10/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 411**

ACRONYM WVDH  
POSTAL ADDRESS  
CORRE. Dr. Rachel Ann Hopkins  
FULL NAME West Virginia Hygienic Laboratory  
INSTI. West Virginia Department of Health  
ADDRESS 167 11th Avenue  
South Charleston  
West Virginia  
25303  
COUNTRY USA  
STATUS governmental



DIRECTOR	Dr. John W. Brough
MAIN SUBJECTS	General microbiology
CULTURE HELD	Bacteria (141) Yeasts (13)
SERVICES	
Identi.	Bacteria Fungi
DATE OF REPLY	1/23/86
DATE OF ENTRY	05/31/82
REGISTRATION NUMBER 412	
ACRONYM	CECT
POSTAL ADDRESS	
CORRE.	Prof. Federico Uruburu
FULL NAME	Coleccion Espanola de Cultivos Tipo
INSTI.	Departamento de Microbiologia, de la Universidad de Valencia
ADDRESS	Dr. Moliner 50 Burjasot Valencia 46100
COUNTRY	Spain
MAIL NUMBERS	TEL 96-3630011 FAX 96-3637649
STATUS	university
SPONSORS	Universidad de Valencia, Sociedad espanola de Microbiologia, Ministry of Health Ministry of education and science
DIRECTOR	Prof. Federico Uruburu
CURATORS	Maria Dolores Garcia (Bacteria and Fungi)
NUMBER OF STAFFS	Bacteriology (1) Mycology (1) Assistants
COMPUTER SPECIALIST	Sergio Ferrer
MAIN SUBJECTS	Ecology Fermentation Food science General microbiology Genetics Industrial microbiology Marine biology Systematics and taxonomy
CULTURE HELD	Bacteria (708) Fungi (222) Yeasts (215)
AVAILABILITY OF CULTURES	Free Exchange/Fee
CATALOGUE SERVICES	Publish own catalogue once every 5 years Patent deposits (National) Storage service Distribution
Identi.	Bacteria Fungi Yeasts
Training	Culture of Microorganisms
Consult.	Culture of Microorganisms

DATE OF REPLY 10/11/87  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 416**

ACRONYM NRA  
POSTAL ADDRESS  
CORRE. Dr. R. Wigand  
FULL NAME Nationales Referenzzentrum für Adenoviren  
INSTI. Abteilung für Virologie des Institutes für Hygiene und  
Mikrobiologie der Universität des Saarlandes  
ADDRESS Homburg D-6650 SAAR  
D-6650SAAR  
COUNTRY Federal Republic of Germany  
STATUS governmental  
university  
DIRECTOR Prof. Dr. Reinhard Wigand  
MAIN SUBJECTS Medical microbiology  
CULTURE HELD Viruses animal (50)  
SERVICES  
Identi. Problem strains of Adenoviruses of scientific interest  
DATE OF REPLY 4/10/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 417**

ACRONYM RIFIS  
POSTAL ADDRESS  
CORRE. Mrs. Ing. Johanna Rybarova, CSc.  
FULL NAME Research Institute of Food Industry  
ADDRESS Lipova 15  
Prague  
CSR  
120 00  
COUNTRY Czechoslovakia  
MAIL NUMBERS TEL 292806  
STATUS industrial  
SPONSORS Ministry of Agriculture and Nutrition  
DIRECTOR Ing. Johanna Rybarova, CSc.  
CURATORS Olga Syrovatkova  
NUMBER OF STAFFS  
Mycology (1)  
Assistants (1)  
MAIN SUBJECTS Agriculture  
Applied microbiology  
Fermentation  
Food science  
Industrial microbiology  
CULTURE HELD Yeasts (133)  
AVAILABILITY OF CULTURES  
Free  
Exchange  
CATALOGUE Included in a regional catalogue: "Catalogue of Yeast  
Cultures, Bratislava, 1986" Published once ever  
DATE OF REPLY 12/12/87  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 418**

ACRONYM HIPU  
 POSTAL ADDRESS  
 CORRE. Dr. R. Mutters  
 FULL NAME Bakterien Stamm Sammlung H.I.M.  
 INSTI. Instit fuer Med. Mikrobiologie, Klinikum der  
 Philipps-Universitat  
 ADDRESS Pilgrimstein 2  
 D-3550  
 Marburg  
 COUNTRY Federal Republic of Germany  
 MAIL NUMBERS TEL 06427-284302  
 STATUS university  
 DIRECTOR Prof. Dr. W. Mannheim  
 CURATORS Dr. R. Mutters  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Bacteriology (2)  
 Medical microbiology  
 Systematics and taxonomy  
 CULTURE HELD Bacteria (3000)  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange/Fee  
 CATALOGUE Planning to publish in 1988  
 SERVICES  
 Identi. Bacteria (Gram-negative, parasitic, fermentative bacteria  
 (rods))  
 DATE OF REPLY 11/ 2/87  
 DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 421

ACRONYM RV  
 POSTAL ADDRESS  
 CORRE. Prof. B. Cacciapooti  
 FULL NAME Collection of Leptospira Strains  
 INSTI. Istituto Superiore di Sanita  
 ADDRESS Viale Regina Elena 299  
 Roma  
 Nomentano  
 00161  
 COUNTRY Italy  
 STATUS governmental  
 DIRECTOR Dr. B. Cacciapooti  
 CURATORS Pinto Antonella  
 Ciceroni Lorenzo  
 MAIN SUBJECTS Medical microbiology  
 Veterinary  
 CULTURE HELD Bacteria (200)  
 AVAILABILITY OF CULTURES  
 Free  
 SERVICES  
 Identi. Leptospira biflexa, Leptospira interrogans  
 serotype  
 DATE OF REPLY 11/ 4/85  
 DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 422

ACRONYM MSUB

**POSTAL ADDRESS**

CORRE. Prof. Michele La Placa  
FULL NAME Institute of Microbiology  
INSTI. University of Bologna  
ADDRESS Via Massarenti 9  
Bologna  
40138

COUNTRY Italy

STATUS university  
DIRECTOR Prof. Michele La Placa  
CURATORS Dr. Monica Musiani  
MAIN SUBJECTS Medical microbiology  
CULTURE HELD Bacteria (317)  
Fungi (7)  
Protozoa (2)  
Viruses: animal (115)

**AVAILABILITY OF CULTURES**

Free

DATE OF REPLY 5/27/85

DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 423**

ACRONYM CVOR

**POSTAL ADDRESS**

CORRE. Prof. Arrigo Benedetto  
FULL NAME Centro di Virologia  
ADDRESS Circonvallazione Gianicolense 85  
Roma

COUNTRY Italy

SPONSORS Hospital, CNR  
DIRECTOR Prof. Arrigo Benedetto  
CURATORS Stefania Zaniratti  
MAIN SUBJECTS Medical microbiology  
DATE OF REPLY 5/10/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 424**

ACRONYM CIMSC

**POSTAL ADDRESS**

CORRE. Prof. Adolfo Turano  
FULL NAME Collezione Istituto di Microbiologia  
INSTI. Spedali Civili  
ADDRESS P. le Spedali Civili 1  
Brescia  
25100

COUNTRY Italy

STATUS university  
DIRECTOR Prof. Adolfo Turano  
CURATORS Dr. Domenico Colombrita  
Dr. Giuseppe Ravizzola  
Miss. Ida Foresti

MAIN SUBJECTS General microbiology  
Medical microbiology

SUBCOLLECTIONS Pseudomonas - Staphylococcus

CULTURE HELD Bacteria (3400)  
Cell lines: animal (26)  
Viruses: animal (12)

DATE OF REPLY 7/15/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 425**

ACRONYM RCAT  
POSTAL ADDRESS  
CORRE. Dr. G. Szucs  
FULL NAME Regional Collection of Animal Viruses and Tissue Cultures  
INSTI. Virus Laboratory, Public Health Station  
ADDRESS Szabadsag U.7  
Pecs  
H-7601 Baranya  
25100  
COUNTRY Hungary  
SPONSORS Health Administration of County Baranya  
DIRECTOR Dr. T. Kishonti  
CURATORS Dr. G. Szucs  
MAIN SUBJECTS Medical microbiology  
Medical virology  
CULTURE HELD Cell lines: animal (19)  
Viruses: animal (22)  
AVAILABILITY OF CULTURES  
Free  
DATE OF REPLY 12/28/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 427**

ACRONYM IMMH  
POSTAL ADDRESS  
CORRE. Dr. Ilona Beladi  
FULL NAME Collection of Animal Viruses  
INSTI. Institute of Microbiology, University Medical School, Szeged  
ADDRESS Dom Ter 10  
Szeged  
COUNTRY Hungary  
STATUS university  
DIRECTOR Dr. Ilona Beladi  
CURATORS Dr. R. Pusztai  
MAIN SUBJECTS Medical microbiology  
CULTURE HELD Viruses: animal (36)  
AVAILABILITY OF CULTURES  
Free  
DATE OF REPLY 12/17/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 429**

ACRONYM MHH  
POSTAL ADDRESS  
CORRE. Prof. Dr. J. Drescher  
FULL NAME Institute of Virology  
INSTI. Medizinische Hochschule Hannover  
ADDRESS Karl Wiechert Allee 9  
Hannover  
Lower Saxony  
3000  
COUNTRY Federal Republic of Germany

STATUS university  
DIRECTOR Prof. J. Drescher  
CURATORS J. Flik  
MAIN SUBJECTS Medical microbiology  
CULTURE HELD Viruses: animal (120)  
SERVICES  
  Identi. Viruses: animal  
DATE OF REPLY 10/12/85  
DATE OF ENTRY 05/31/82

REGISTRATION NUMBER 430

ACRONYM ITCC  
POSTAL ADDRESS  
  CORRE. Dr. J.N. Kapoor  
  FULL NAME Indian Type Culture Collection  
  INSTI. Division of Mycology and Plant Pathology, Indian  
  Agricultural Research Institute  
  ADDRESS Mycology Div, I.A.R.I.  
  New Delhi  
  110012  
  COUNTRY India  
STATUS semi-governmental  
DIRECTOR Dr. J.N. Kapoor  
CURATORS Dr. J.N. Kapoor (Fungi)  
NUMBER OF STAFFS  
  Mycology (3)  
  Assistants (2)  
MAIN SUBJECTS Agriculture  
  Applied microbiology  
  Plant pathology  
  Systematics and taxonomy  
CULTURE HELD Fungi (2500)  
AVAILABILITY OF CULTURES  
  Free  
  Exchange/Fee  
CATALOGUE Publish own catalogue once every 4 years  
SERVICES Distribution  
  Identi. Fungi  
DATE OF REPLY 11/10/87  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 432

ACRONYM MML  
POSTAL ADDRESS  
  CORRE. Dr. Jan C. Ulstrup  
  FULL NAME Medical Microbiological Laboratory  
  INSTI. Ullevål Hospital  
  ADDRESS Oslo  
  COUNTRY Norway  
SPONSORS Oslo city  
DIRECTOR Jan C. Ulstrup  
MAIN SUBJECTS Medical microbiology  
CULTURE HELD Cell lines: animal (26)  
  Viruses: animal (1884)  
DATE OF REPLY 10/20/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 442**

ACRONYM JVI  
POSTAL ADDRESS  
CORRE. Dr. Adnan Abdelhameed  
FULL NAME Jordan Vaccine Institute  
INSTI. Ministry of Health  
ADDRESS Al Ashrafia  
Amman  
COUNTRY Jordan  
STATUS governmental  
DIRECTOR Dr. Adnan Abdelhameed  
CURATORS Dr. Mazen Abdelmageed  
Mr. Tario Monnayer  
MAIN SUBJECTS General microbiology  
Medical microbiology  
Veterinary  
CULTURE HELD Bacteria (13)  
Cell lines: animal (6)  
SERVICES  
Identi. Rabies virus  
DATE OF REPLY 1/14/86  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 443**

ACRONYM SEMIA  
POSTAL ADDRESS  
CORRE. Dr. Iara Godinho Kolling  
FULL NAME Colecao de Culturas de Rhizobium do Ipagro  
INSTI. Instituto de Pesquisas Agronomicas  
ADDRESS Goncalves Dias, 570  
Porto Alegre  
Rio Grande do sul  
90.060  
COUNTRY Brazil  
MAIL NUMBERS TEL 0512-33.54.11 EXT 31  
TEX 511299 X PAA BR  
E-mail DIALCOM42:CDT 0150  
STATUS governmental  
DIRECTOR Dr. Joao Ruy Jardim Freire  
CURATORS Dr. Iara Godinho Kolling (Microbiology)  
NUMBER OF STAFFS Bacteriology (3)  
COMPUTER SPECIALIST  
Gilmario marques silva  
MAIN SUBJECTS Agriculture  
Applied microbiology  
Culture and preservation methods  
Freeze drying  
CULTURE HELD Bacteria (1013)  
AVAILABILITY OF CULTURES  
Free  
CATALOGUE Publish own catalogue once every year  
Planning to publish in 1988  
SERVICES Storage service (Rhizobium)  
Distribution (Rhizobium)  
Identi. Bacteria (Rhizobium)

Training Management of a culture collection  
Culture and preservation methods  
Use of computer in culture collections  
DATE OF REPLY 2/ 8/88  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 444**

ACRONYM DBUP  
POSTAL ADDRESS  
CORRE. Dr. Milagrosa R. Martinez  
FULL NAME Algal Culture Collection  
INSTI. Museum of Natural History  
ADDRESS University of the Philippines  
College  
Laguna  
3720  
COUNTRY Philippines  
STATUS university  
DIRECTOR Dr. V.J. Calilung  
CURATORS Dr. Milagrosa R. Martinez  
MAIN SUBJECTS General microbiology  
SUBCOLLECTIONS Nitrogen-fixing blue-green algae  
CULTURE HELD Algae (20)  
SERVICES  
Identi. Fresh water species  
DATE OF REPLY 10/18/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 447**

ACRONYM WR  
POSTAL ADDRESS  
CORRE. Dr. J.P. Thompson  
FULL NAME Azotobacteraceae Collection  
INSTI. Queensland Wheat Research Institute  
ADDRESS P.O.Box 5282  
Toowoomba  
Queensland  
4350  
COUNTRY Australia  
STATUS governmental  
industry  
DIRECTOR Dr. A.L. Clarke  
CURATORS Dr. J.P. Thompson  
MAIN SUBJECTS Agriculture  
General microbiology  
SUBCOLLECTIONS Azotobacteraceae  
CULTURE HELD Bacteria (224)  
SERVICES  
Identi. Azotobacteraceae  
DATE OF REPLY 4/10/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 448**

ACRONYM MPKV  
POSTAL ADDRESS  
CORRE. Dr. P.L. Patil



FULL NAME            Biological Nitrogen Fixation Project, College of Agriculture  
 INSTI.                Mahatma Phule Agricultural University  
 ADDRESS              Pune  
                          411005 Maharashtra State  
                          Queensland  
 COUNTRY             India  
 STATUS                university  
 DIRECTOR             P.L. Patil  
 CURATORS             Senior Research Assistant  
 MAIN SUBJECTS       Agricultural bacteriology  
 CULTURE HELD        Algae (3)  
                          Bacteria (10)  
                          Fungi (13)  
 DATE OF REPLY       1/16/86  
 DATE OF ENTRY       10/26/81

**REGISTRATION NUMBER 449**

ACRONYM              ENCB  
 POSTAL ADDRESS  
   CORRE.              Dr. Silvia Giono Cerezo  
   FULL NAME           Coleccion de cultivos de la Escuela Nacional de Ciencias  
                          Biologicas  
   INSTI.                Escuela Nacional de Ciencias Biologicas. I.P.N.  
   ADDRESS              Carpio y Plan de Ayala s/n  
                          Mexico D.F.  
                          Mexico  
                          11340  
 COUNTRY             Mexico  
 MAIL NUMBERS        TEL 396-37-86  
 STATUS                semi-governmental  
                          university  
 SPONSORS             M.C. Jose Tomas Hernandez, O.B.P. Graciela Castro E.  
 DIRECTOR             Dra. Silvia Giono Cerezo  
 CURATORS             Edmundo Morales Tepatl (Microbiology)  
                          Craciela Castro Escarpulli (Microbiology)  
                          Carlos Aquino Santiago (Microbiology)  
                          Everardo Escamilla Avilez (Microbiology)  
 NUMBER OF STAFFS  
                          Bacteriology (20)  
                          Cell biology (2)  
                          Mycology (3)  
                          Protozoology (4)  
                          Virology (3)  
 MAIN SUBJECTS       Agriculture  
                          Applied microbiology  
                          Culture and preservation methods  
                          Ecology  
                          Fermentation  
                          Food science  
                          Freeze drying  
                          General microbiology  
                          Genetic engineering  
                          Genetics  
                          Immunology  
                          Industrial microbiology  
                          Medical microbiology  
                          Plant pathology  
                          Veterinary

SUBCOLLECTIONS Coleccion de Protozoarios del Departamento de Inmunologia de la ENCB. <Inmuno Parasitologia.>

CULTURE HELD Bacteria (940)  
Fungi (60)  
Yeasts (14)

AVAILABILITY OF CULTURES  
Free  
Exchange/Fee

CATALOGUE Publish own catalogue once every 2 years  
Planning to publish in 1988  
Need help to publish

SERVICES Storage service  
Distribution

  Identi. Bacteria  
          Fungi  
          Yeasts

  Training Management of a culture collection  
          Culture and preservation methods  
          Quality control

  Consul. Preservation  
          Propagation

DATE OF REPLY 1/ 7/88

DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 450

ACRONYM LPL

POSTAL ADDRESS

  CORRE. Dr. T.D. St.George

  FULL NAME Long Pocket Laboratories

  INSTL. CSIRO

  ADDRESS Meiers Rd.  
          Indooroopilly  
          Queensland  
          11340

  COUNTRY Australia

  STATUS governmental

  DIRECTOR T.D. St.George

  MAIN SUBJECTS Veterinary

  CULTURE HELD Viruses: animal (100)

  DATE OF REPLY 6/20/85

  DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 451

ACRONYM FHVC

POSTAL ADDRESS

  CORRE. Dr. K. A. Bettelheim

  FULL NAME Fairfield Hospital Bacterial Culture Collection

  INSTL. Fairfield Hospital, Clinical Pathology Department

  ADDRESS Yarra Bend Road  
          Fairfield  
          Victoria  
          3078

  COUNTRY Australia

  MAIL NUMBERS TEL 03-488-2222  
          TEX AA 33840  
          FAX 4822035

  SPONSORS Hospital

DIRECTOR Dr. B. W. Dwyer  
 CURATORS Dr. K.A. Bettelheim (Bacteriology)  
 COMPUTER SPECIALIST Mr. Grant Ring  
 MAIN SUBJECTS Medical microbiology  
 SUBCOLLECTIONS Enterobacteriaceae  
 Legionellaceae  
 Mycobacteria  
 CULTURE HELD Bacteria (2000)  
 AVAILABILITY OF CULTURES Exchange/Fee  
 CATALOGUE Planning to publish in 1988  
 SERVICES  
 Ident. Bacteria (Enterobacteria, Legionella, Campylobacter & Mycobacterium)  
 DATE OF REPLY 2/12/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 452**

ACRONYM WACC  
 POSTAL ADDRESS  
 CORRE. Mr. A.H. Fitzsimmons  
 FULL NAME Western Australian Culture Collection  
 INSTI. State Health Laboratory Service  
 ADDRESS G.P.O.Box F312  
 Perth  
 Western Australia  
 6001  
 COUNTRY Australia  
 MAIL NUMBERS TEL 09-389-2049  
 STATUS governmental  
 DIRECTOR Dr. A.Henaerson  
 CURATORS Mr. A.H. Fitzsimmons  
 NUMBER OF STAFFS Bacteriology (1)  
 Assistants (1)  
 COMPUTER SPECIALIST 1  
 MAIN SUBJECTS Applied microbiology  
 General microbiology  
 Medical microbiology  
 Veterinary  
 CULTURE HELD Bacteria (250)  
 AVAILABILITY OF CULTURES Postage only charged  
 CATALOGUE Publish own catalogue once every 2 years  
 SERVICES Storage service  
 Ident. Bacteria  
 Training Culture and preservation methods  
 Quality control  
 Consul. Preservation  
 DATE OF REPLY 4/11/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 454**

ACRONYM DMPMC  
 POSTAL ADDRESS

CORRE. Dr. B.J. Mee  
 FULL NAME Department of Microbiology  
 INSTI. Queen Elizabeth II Medical Centre  
 ADDRESS Nedlands  
 Western Australia  
 6009

COUNTRY Australia  
 MAIL NUMBERS TEL 09-389-2286  
 STATUS university  
 CURATORS Mr. C. Manensis (everything)  
 MAIN SUBJECTS General microbiology  
 Genetics  
 Medical microbiology

CULTURE HELD Bacteria (2500)  
 Fungi (50)  
 Yeasts (50)  
 Plasmids (500)  
 Vectors (10)

AVAILABILITY OF CULTURES  
 Free

CATALOGUE No intention to publish  
 SERVICES Storage service  
 DATE OF REPLY 11/ 3/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 457**

ACRONYM NZRM(<-NHI)  
 POSTAL ADDRESS

CORRE. Mrs. Patricia Cawley  
 FULL NAME New Zealand Reference Culture Collection, Medical Section  
 INSTI. National Health Institute  
 ADDRESS Keneperu Drive, P.O.Box 50-348,  
 Porirua

COUNTRY New Zealand  
 MAIL NUMBERS TEL 370-149  
 FAX 378-983

STATUS governmental  
 DIRECTOR Dr. B.W. Christmas  
 CURATORS Patricia Cawley (Bacteriology)  
 NUMBER OF STAFFS

MAIN SUBJECTS Bacteriology (1/3)  
 Medical microbiology

CULTURE HELD Bacteria (3000)  
 Viruses: bacteria (214)

AVAILABILITY OF CULTURES  
 Free  
 Exchange/Fee

CATALOGUE Publish own catalogue once every 3-4 years  
 SERVICES Distribution (medical bacteria for quality control,  
 research and teaching)

Ident. Bacteria (medical, aerobic Gram negative(nonenteric) and  
 Gram positive)  
 Consul. Preservation  
 Shipment regulations

DATE OF REPLY 4/15/88  
 DATE OF ENTRY 10/26/81

## REGISTRATION NUMBER 461

ACRONYM CALU  
 POSTAL ADDRESS  
 CORRE. Dr. Boris V. Gromov  
 FULL NAME Collection of Algal Cultures of Leningrad University  
 INSTI. Biological Institute of Leningrad University  
 ADDRESS Oranienbaumskoye sch. 2  
 Leningrad-Stary Peterhof  
 198904  
 COUNTRY USSR  
 STATUS university  
 DIRECTOR Prof. Boris V. Gromov  
 CURATORS N.N. Titova (microbiology)  
 NUMBER OF STAFFS  
 Bacteriology (2)  
 Assistants (1)  
 MAIN SUBJECTS Applied microbiology  
 Cell biology  
 General microbiology  
 Molecular biology  
 Physiology  
 Systematics and taxonomy  
 CULTURE HELD Algae (600)  
 AVAILABILITY OF CULTURES  
 Exchange  
 CATALOGUE Included in a regional catalogue  
 Published once every year  
 SERVICES Storage service  
 Distribution  
 Ident. Algae (Cyanobacteria)  
 Training Management of a culture collection  
 DATE OF REPLY 3/12/87  
 DATE OF ENTRY 10/14/81

## REGISTRATION NUMBER 462

ACRONYM CIPDE  
 POSTAL ADDRESS  
 CORRE. Prof. V.M. Pawar  
 FULL NAME Collection of Insect Pathogens, Dept. of Entomology  
 INSTI. Marathwada Agricultural University  
 ADDRESS Parbhani  
 Maharashtra  
 198904  
 COUNTRY India  
 STATUS university  
 DIRECTOR Prof. V.M. Pawar  
 MAIN SUBJECTS Insect microbiology  
 SUBCOLLECTIONS Insect bacteria  
 viruses  
 protozoa and fungi  
 CULTURE HELD Bacteria (4)  
 Fungi (3)  
 Protozoa (5)  
 Viruses: insect (20)  
 SERVICES  
 Ident. Insect viruses  
 DATE OF REPLY 12/27/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 464**

ACRONYM IOUL  
POSTAL ADDRESS  
CORRE. Prof. S. Darougar  
FULL NAME Sub-department of Virology  
INSTI. Institute of Ophthalmology, University of London  
ADDRESS Judd Street  
London  
England  
WC1H 9QS  
COUNTRY United Kingdom  
STATUS university  
DIRECTOR Prof. S. Darougar  
MAIN SUBJECTS General microbiology  
Medical microbiology  
SUBCOLLECTIONS Ocular and oculo-genital infections (Chlamydial and viral)  
SERVICES  
Ident. Chlamydiae trachomatis serotypes  
DATE OF REPLY 4/22/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 465**

ACRONYM TGC  
FULL NAME Cystozoites of Toxoplasma gondii  
INSTI. Public Health Laboratory, St. Georges Hospital  
ADDRESS Blackshaw Road  
London  
England  
SW17 0QT  
COUNTRY United Kingdom  
STATUS governmental  
DIRECTOR Dr. D.G. Fleck  
CURATORS Dr. D.G. Fleck  
MAIN SUBJECTS Medical microbiology  
SERVICES  
Ident. Toxoplasma  
DATE OF REPLY 10/ 5/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 471**

ACRONYM IMVS  
POSTAL ADDRESS  
CORRE. Dr. T.W. Steele  
FULL NAME Clinical Microbiology Culture Collection  
INSTI. Institute of Medical and Veterinary Science  
ADDRESS Box 14, Rundle Mall P.O.  
Adelaide  
South Australia  
5000  
COUNTRY Australia  
MAIL NUMBERS TEL 08-228.7911  
TEX AA82647  
FAX 08-228.7538  
STATUS semi-governmental  
SPONSORS Institute of Medical and Veterinary Science

DIRECTOR Dr. T.W. Steele  
CURATORS Mr. Chris Murray (Salmonella)  
Miss. M. Karna (Technical)  
MAIN SUBJECTS Campylobacter  
Salmonella  
CULTURE HELD Bacteria (2000)  
AVAILABILITY OF CULTURES  
Free/Fee  
CATALOGUE Publish own catalogue once every year  
SERVICES  
Ident. Bacteria (Salmonella)  
Training Management of a culture collection  
Culture and preservation methods  
Quality control  
DATE OF REPLY 11/ 9/54  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 472**

ACRONYM DMUIJ  
FULL NAME Dept. of Microbiology  
INSTI. University of Indonesia  
ADDRESS 16, Pegangsaan Timur  
Jakarta  
Jakarta Pusat  
South Australia  
COUNTRY Indonesia  
STATUS university  
DIRECTOR Prof. Dr. Sujudi  
CURATORS Dr. R. Utji  
MAIN SUBJECTS Medical microbiology  
CULTURE HELD Bacteria (50)  
DATE OF REPLY 6/12/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 475**

ACRONYM CCTM(<-ICIDTC)  
POSTAL ADDRESS  
CORRE. Prof. Dr. V. Bonifas  
FULL NAME Centre de Collections de Types Microbiens  
INSTI. Institut de Microbiologie Universite de Lausanne  
ADDRESS Rue du Bugnon 44  
Lausanne  
1011  
COUNTRY Switzerland  
DIRECTOR Prof. Dr. V. Bonifas  
CURATORS Dr. M.R. Darekar  
MAIN SUBJECTS General microbiology  
CULTURE HELD Bacteria (2700)  
SERVICES  
Ident. Mycobacteria, Shigella, other medical, non-medical bacteria  
DATE OF REPLY 9/30/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 478**

ACRONYM DMCCUS  
POSTAL ADDRESS

CORRE. Mrs. T.A. Amor  
 FULL NAME Department of Microbiology Culture Collection  
 INSTI. University of Surrey  
 ADDRESS Stag Hill  
 Guildford  
 Surrey  
 GU2 5XH

COUNTRY United Kingdom  
 STATUS university  
 DIRECTOR Prof. R.E. Spier  
 CURATORS Mrs. T.A. Amor  
 MAIN SUBJECTS General microbiology  
 Veterinary

SUBCOLLECTIONS Pasteurella spp. principally multocida (400-500 strains)  
 CULTURE HELD Bacteria (2200)  
 SERVICES

Ident. Parvobacteria - Pasteurellae, related organisms  
 DATE OF REPLY 10/ 4/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 480**

ACRONYM SVCC(<-SVCK)  
 POSTAL ADDRESS

CORRE. Dr. Monika Engels  
 FULL NAME Sammlung von Conjugaten Kulturen  
 INSTI. Universitat Hamburg  
 ADDRESS Ohnhorststr. 18  
 D-2000 Hamburg 52

COUNTRY Federal Republic of Germany  
 MAIL NUMBERS TEL 040-8222-325  
 STATUS university  
 DIRECTOR Dr. Monika Engels  
 NUMBER OF STAFFS

MAIN SUBJECTS Algology (2)  
 Cell biology  
 Culture and preservation methods  
 Developmental biology  
 Environmental protection  
 Evolutionary biology  
 Systematics and taxonomy

CULTURE HELD Algae (400)  
 AVAILABILITY OF CULTURES  
 Free  
 CATALOGUE own catalogue, irregularly published  
 SERVICES

Ident. Algae (Green algae, especially Conjugatoph.)  
 DATE OF REPLY 3/11/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 481**

ACRONYM PCCIP  
 POSTAL ADDRESS

CORRE. Mrs. Germaine Stanier  
 FULL NAME Pasteur Culture Collection of Cyanobacterial Strains  
 INSTI. Institut Pasteur  
 ADDRESS 25 Rue du Docteur Roux  
 Paris



COUNTRY 75724 Cedex  
France  
STATUS private  
DIRECTOR Mrs. Stanier  
CURATORS Rosmarie Rippka  
MAIN SUBJECTS General microbiology  
SUBCOLLECTIONS Highly specialized consisting only of Cyanobacteria  
CULTURE HELD Cyanobacteria (200)  
DATE OF REPLY 12/13/85  
DATE OF ENTRY 5/31/82

**REGISTRATION NUMBER 482**

ACRONYM CERS  
POSTAL ADDRESS  
CORRE. Dr. Eli Sidney Lopes  
FULL NAME Colecao de Estirpes de Rhizobium spp.  
INSTI. Instituto Agronomico de Campinas  
ADDRESS Av. Barao de Itapura 1481  
Campinas  
Sao Paulo  
CEP 13.100

COUNTRY Brazil  
STATUS governmental  
DIRECTOR Eli Sidney Lopes  
CURATORS Sueli dos Santos Freitas  
MAIN SUBJECTS Agriculture  
CULTURE HELD Bacteria (611)  
SERVICES  
Ident. Rhizobium  
DATE OF REPLY 6/21/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 484**

ACRONYM IITA  
POSTAL ADDRESS  
CORRE. Dr. K. Mulongoy  
FULL NAME The IITA Collection of Cultures of Rhizobium  
INSTI. International Institute of Tropical Agriculture  
ADDRESS Oyo Road, PMB 5320  
Ibadan  
Oyo State  
CEP 13.100

COUNTRY Nigeria  
SPONSORS UNEP, UNDP and IITA  
DIRECTOR Dr. K. Mulongoy  
CURATORS Mr. J.A. Okogun  
MAIN SUBJECTS Agriculture  
Biotechnology  
CULTURE HELD Bacteria (600)  
Fungi (2)  
DATE OF REPLY 9/10/85  
DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 485**

ACRONYM NCAIM(<-HMGB)  
POSTAL ADDRESS

CORRE.	Prof. T. Deak
FULL NAME	National Collection of Agricultural and Industrial Microorganisms
INSTI.	Department of Microbiology, University of Horticulture and Food Industry
ADDRESS	Somloi ut 14-16. Budapest H-1118
COUNTRY	Hungary
MAIL NUMBERS	TEL 00-36-1-665466 TEX 226011
STATUS	governmental university
SPONSORS	Ministry of Agriculture and Food Industry
DIRECTOR	Prof. T. Deak
CURATORS	Dr. T. Torok (yeasts) Dr. J. Tornai (bacteria)
NUMBER OF STAFFS	Bacteriology (2) Mycology (3) Virology (1) Assistants (3)
MAIN SUBJECTS	Agriculture Applied microbiology Culture and preservation methods Food science Freeze drying Genetic engineering Genetics Industrial microbiology Physiology
CULTURE HELD	Bacteria (430) Fungi (150) Yeasts (450) Cell lines: animal (2) Viruses: animal (27)
AVAILABILITY OF CULTURES	Free Exchange/Fee Patent strains under BT
CATALOGUE	Publish own catalogue once every 2 years Planning to publish in 1988
SERVICES	Patent deposits (under the Budapest treaty (bacteria, fungi, yeasts)) Storage service (bacteria, fungi, yeasts) Distribution (bacteria, fungi, yeasts)
Ident.	Bacteria (gram negative, lactic acid, spore forming) Fungi (moulds) Yeasts (all)
Training	Management of a culture collection Culture and preservation methods Genetic engineering Use of computer in culture collections
Consul.	Patent deposits Preservation Propagation Shipment regulations
DATE OF REPLY	11/17/87
DATE OF ENTRY	10/26/81

**REGISTRATION NUMBER 486**

ACRONYM CAUP(<-CCADB)  
 POSTAL ADDRESS  
 CORRE. Dr. Marcela Puncocharova  
 FULL NAME Culture Collection of Algae  
 INSTI. Department of Botany, Faculty of Science, Charles University  
 ADDRESS Benatska 2  
 Prague 2  
 CS-128 01  
 COUNTRY Czechoslovakia  
 MAIL NUMBERS TEL CS-Prague-297941-9 EXT 307  
 STATUS university  
 SPONSORS state university  
 DIRECTOR Dr. Marcela Puncocharova  
 CURATORS Dr. Marcela Puncocharova (algology)  
 NUMBER OF STAFFS  
 Algology (1)  
 MAIN SUBJECTS Systematics and taxonomy  
 CULTURE HELD Algae (140)  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange  
 CATALOGUE Publish own catalogue  
 Planning to publish in 1988  
 SERVICES Distribution (free of charge to other collections)  
 Ident. Algae (chlorococcal algae/within the range of  
 our research)  
 DATE OF REPLY 9/12/87  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 491**

ACRONYM BSMB  
 POSTAL ADDRESS  
 CORRE. Mrs. Yenchai Vasuvat  
 FULL NAME Bacteriology and Soil Microbiology Branch  
 INSTI. Div. Plant Pathology, Dept. of Agriculture  
 ADDRESS Paholyothin Road  
 Bangkok  
 COUNTRY Thailand  
 STATUS governmental  
 DIRECTOR Mr. Phaderm Titatarn  
 CURATORS Mrs. Yenchai Vasuvat  
 MAIN SUBJECTS Agriculture  
 Forest microbiology  
 CULTURE HELD Algae (15)  
 Bacteria (60)  
 Fungi (7)  
 SERVICES  
 Ident. Rhizobium  
 DATE OF REPLY 11/12/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 492**

ACRONYM MPSU  
 POSTAL ADDRESS

CORRE. Dr. Vichai Marneerushapisal  
 FULL NAME Department of Microbiology  
 INSTI. Faculty of Science, Prince of Songkla University  
 ADDRESS Kanchanavanit Road  
 Haad-Yai  
 Songkla  
 STATUS governmental  
 COUNTRY Thailand  
 STATUS university  
 DIRECTOR Vichai Marneerushapisal  
 CURATORS Miss. Jaruwan Wimon  
 MAIN SUBJECTS Medical microbiology  
 CULTURE HELD Bacteria (25)  
 Fungi (20)  
 Yeasts (5)  
 DATE OF REPLY 4/22/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 493**

ACRONYM MDMU  
 POSTAL ADDRESS  
 CORRE. Miss Chuenchit Boonchird  
 FULL NAME Microbiological Department Mahidol University  
 ADDRESS Rama IV Road  
 Bangkok  
 10400  
 COUNTRY Thailand  
 MAIL NUMBERS TEL 245-5650  
 TEX 84770 UNIMAH TH  
 STATUS university  
 DIRECTOR Prof. Pornchai Matangkosambut  
 CURATORS Prof. T.W. Flegel (Mycology)  
 Dr. A. Bhumiratana (Bacteriology)  
 Dr. W. Panbangred (Genetic engineering)  
 Ms. C. Boonchird (Yeast genetics)  
 MAIN SUBJECTS General microbiology  
 Genetic engineering  
 Industrial microbiology  
 Medical microbiology  
 CULTURE HELD Bacteria (150)  
 Fungi (100)  
 Yeasts (50)  
 Plasmids (50)  
 AVAILABILITY OF CULTURES  
 on request only  
 CATALOGUE No intention to publish  
 DATE OF REPLY 1/ 5/88  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 494**

ACRONYM MSDS  
 POSTAL ADDRESS  
 CORRE. Dr. Wannee Somporn  
 FULL NAME Microbiology Section  
 INSTI. Department of Science Service, Ministry of Science,  
 Technology and Energy  
 ADDRESS Rama VI Street

COUNTRY Bangkok  
Thailand  
STATUS governmental  
DIRECTOR Dr. Charlio Surasiti  
CURATORS Miss Wannee Somporn  
MAIN SUBJECTS Industrial microbiology  
CULTURE HELD Fungi (5)  
Yeasts (11)  
DATE OF REPLY 11/19/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 496

ACRONYM DACT  
POSTAL ADDRESS  
CORRE. Dr. Gy. Szakacs  
FULL NAME Dept. Agricult. Chem. Technol.  
INSTI. Technical University of Budapest  
ADDRESS Gellert Ter 4  
Budapest  
COUNTRY Hungary  
STATUS private  
university  
DIRECTOR Prof. L. Fodor  
CURATORS Dr. Gy. Szakacs  
MAIN SUBJECTS Agriculture  
Industrial microbiology  
SUBCOLLECTIONS Trichoderma species  
Thermophilic fungi  
CULTURE HELD Bacteria (182)  
Fungi (410)  
Yeasts (61)  
AVAILABILITY OF CULTURES  
Free  
Exchange  
DATE OF REPLY 4/10/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 497

ACRONYM VPCI  
POSTAL ADDRESS  
CORRE. Prof. H.S. Randhawa  
FULL NAME Fungal Culture Collection  
INSTI. Vallabhbhai Patel Chest Institute, University of Delhi  
ADDRESS Delhi  
COUNTRY Hungary  
India  
STATUS university  
SPONSORS Indian Council of Medical Research  
DIRECTOR Prof. H.S. Randhawa  
MAIN SUBJECTS Medical microbiology  
SERVICES  
Ident. Fungi causing pulmonary or systemic mycoses  
DATE OF REPLY 12/11/85  
DATE OF ENTRY 10/26/81

REGISTRATION NUMBER 498

ACRONYM NIVA  
 POSTAL ADDRESS  
 CORRE. Dr. O.M. Skulberg  
 FULL NAME Culture Collection of Algae (NIVA)  
 INSTI. Norwegian Institute for Water Research  
 ADDRESS Brekkeveien 19, P.O. Box 333,  
 Oslo  
 0314 Oslo3  
 COUNTRY Norway  
 SPONSORS The Royal Norwegian Council for Scientific and Industrial  
 Research  
 DIRECTOR Olav M. Skulberg  
 MAIN SUBJECTS Aquaculture  
 Bioassays  
 General microbiology  
 Industrial microbiology  
 Phycological research  
 SUBCOLLECTIONS Blue green algae  
 Oscillatoria  
 Selenastrum  
 CULTURE HELD Algae (260)  
 SERVICES  
 Ident. Blue green algae  
 DATE OF REPLY 6/14/85  
 DATE OF ENTRY 10/26/81

**REGISTRATION NUMBER 500**  
 ACRONYM CDBB  
 POSTAL ADDRESS  
 CORRE. MSc. Jovita Martinez Cruz  
 FULL NAME Coleccion del Departamento de Biotecnologia y Bioingenieria  
 INSTI. Centro de Investigacion y de Estudios Avanzados-IPN  
 ADDRESS Av. Instituto Politecnico Nacional 2508  
 Mexico, D.F.  
 07000  
 COUNTRY Mexico  
 MAIL NUMBERS TEL 754-68-05  
 TEX 1772826 PPTME  
 STATUS governmental  
 SPONSORS Centro de Investigacion y de Estudios Avanzados del IPN  
 DIRECTOR Msc. Jovita Martinez Cruz  
 CURATORS Msc. Jovita Martinez Cruz (Culture Collections and Yeas)  
 Q.B.P. Ma. del Carmen B. (Phycology and Bacteriology)  
 Q.B.P. Lidia Gomez Silva (Mycology)

NUMBER OF STAFFS  
 Algology (1)  
 Bacteriology (1)  
 Mycology (1)  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Culture and preservation methods  
 Ecology  
 Fermentation  
 Food science  
 General microbiology  
 Industrial microbiology  
 Systematics and taxonomy  
 CULTURE HELD Algae (15)

Bacteria (280)  
 Fungi (360)  
 Yeasts (330)  
 Protozoa (1)

AVAILABILITY OF CULTURES  
 Free  
 Exchange/Fee

CATALOGUE Publish own catalogue once every 6 years  
 Planning to publish in 1988

SERVICES Need help to publish  
 Storage service  
 Distribution

Ident. Bacteria  
 Fungi  
 Yeasts

Training Management of a culture collection  
 Culture and preservation methods  
 Industrial Microbiology. Yeasts Taxonomy

DATE OF REPLY 12/ 1/87  
 DATE OF ENTRY 10/28/81

REGISTRATION NUMBER 501

ACRONYM PRFC  
 POSTAL ADDRESS  
 CORRE. Dr. Esther M. Lederberg  
 FULL NAME Plasmid Reference Center  
 INSTI. Dept. of Medical Microbiology, Stanford Uni. Sch. of Medicine  
 ADDRESS Stanford  
 California  
 94305-2499

COUNTRY USA  
 STATUS governmental  
 university  
 industry

DIRECTOR Prof. E.M. Lederberg  
 CURATORS Prof. E.M. Lederberg  
 MAIN SUBJECTS Antibiotic  
 Pharmacology  
 Agriculture  
 General microbiology  
 Industrial microbiology  
 Medical microbiology  
 Molecular genetics  
 Veterinary

CULTURE HELD Bacteria (1600)  
 DATE OF REPLY 7/10/85  
 DATE OF ENTRY 10/28/81

REGISTRATION NUMBER 503

ACRONYM ITDI  
 POSTAL ADDRESS  
 CORRE. Dr. Claro M. Santiago, Jr.  
 FULL NAME Industrial Technology Development Institute  
 INSTI. Industrial Technology Development Institute (ITDI)  
 ADDRESS Pedro Gil  
 Manila  
 774

COUNTRY Philippines  
 MAIL NUMBERS TEL 50-30-41  
 TEX ITT 40404  
 STATUS governmental  
 DIRECTOR Dr. Claro M. Santiago, Jr.  
 NUMBER OF STAFFS  
 Mycology (2)  
 Assistants (1)  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Biochemistry  
 Cell biology  
 Culture and preservation methods  
 Fermentation  
 General microbiology  
 Genetic engineering  
 Genetics  
 Industrial microbiology  
 Molecular biology  
 CULTURE HELD Algae (1)  
 Bacteria (35)  
 Fungi (46)  
 Yeasts (32)  
 AVAILABILITY OF CULTURES  
 Exchange/Fee  
 CATALOGUE Need help to publish  
 SERVICES Distribution (industry, schools and private individual)  
 Training Culture and preservation methods  
 Consul. Preservation  
 Propagation  
 DATE OF REPLY 1/ 6/89  
 DATE OF ENTRY 10/28/81

**REGISTRATION NUMBER 505**

ACRONYM ASIB  
 POSTAL ADDRESS  
 CORRE. Dr. G. Gaertner  
 FULL NAME Algensammlung am Institut fur Botanik  
 INSTI. Universitat Innsbruck  
 ADDRESS Sternwartestrasse 15  
 Innsbruck  
 A-6020

COUNTRY Austria  
 STATUS university  
 DIRECTOR Prof. H. Pitschmann  
 CURATORS Dr. G. Gaertner  
 MAIN SUBJECTS especially Phycology  
 General microbiology  
 Soil Airborne and Lichen Algae  
 Taxonomy  
 SUBCOLLECTIONS Culture collection of W. Vischer (Basel  
 Switzerland)  
 CULTURE HELD Algae (1570)  
 DATE OF REPLY 4/18/85  
 DATE OF ENTRY 10/28/81

**REGISTRATION NUMBER 506**



ACRONYM TAL  
 POSTAL ADDRESS  
 CORRE. Dr. Padma Somasegaran  
 FULL NAME NIFTAL Rhizobium Germplasm Resource  
 INSTI. NIFTAL Project and MIRCEN  
 ADDRESS PO Box 0  
 Paia  
 Hawaii  
 96779  
 COUNTRY USA  
 STATUS governmental  
 university  
 DIRECTOR Dr. Ben B. Bohlool  
 CURATORS Dr. Padma Somasegaran  
 MAIN SUBJECTS Agriculture  
 SUBCOLLECTIONS Rhizobium  
 CULTURE HELD Bacteria (1806)  
 AVAILABILITY OF CULTURES  
 Free  
 DATE OF REPLY 8/ 1/86  
 DATE OF ENTRY 10/28/81

REGISTRATION NUMBER 507

ACRONYM JII  
 POSTAL ADDRESS  
 CORRE. Dr. Roger Hull  
 FULL NAME JII Plant Virus Collection  
 INSTI. John Innes Institute  
 ADDRESS Colney Lane  
 Norwich  
 Norfolk  
 NOR 70F  
 COUNTRY United Kingdom  
 STATUS governmental  
 DIRECTOR Dr. J.W. Davies  
 CURATORS Dr. Roger Hull  
 MAIN SUBJECTS Plant viruses  
 CULTURE HELD Viruses: plant (650)  
 DATE OF REPLY 5/28/85  
 DATE OF ENTRY 5/31/82

REGISTRATION NUMBER 508

ACRONYM PHBL  
 POSTAL ADDRESS  
 CORRE. Dr. Stephen Wood  
 FULL NAME Philip Harris Biological Ltd.  
 ADDRESS Oldmixon  
 Weston-Super-Mare  
 Avon  
 BS24 9BJ  
 COUNTRY United Kingdom  
 SPONSORS Commercial organisation  
 DIRECTOR Mrs. M. Fox  
 MAIN SUBJECTS Educational supplies  
 CULTURE HELD Algae (20)  
 Bacteria (25)  
 Fungi (30)

Yeasts (6)  
Protozoa (30)  
Cell lines animal (2)  
DATE OF REPLY 7/10/85  
DATE OF ENTRY 10/28/81

**REGISTRATION NUMBER 509**

ACRONYM USDM  
POSTAL ADDRESS  
CORRE. Dr. Peter J. White  
FULL NAME Department of Microbiology Culture Collection  
INSTI. University of Sheffield  
ADDRESS Western Bank  
Sheffield  
Yorkshire  
S10 2TN  
COUNTRY United Kingdom  
MAIL NUMBERS TEL 0742-768555  
TEX 547216 UGSHEF G  
FAX 742-739826  
STATUS university  
DIRECTOR Dr. Peter J. White  
NUMBER OF STAFFS  
MAIN SUBJECTS Assistants (1)  
Biochemistry  
General microbiology  
Genetic engineering  
Genetics  
Molecular biology  
Physiology  
CULTURE HELD Bacteria (150)  
AVAILABILITY OF CULTURES  
Free  
We may charge for an order for many strains  
CATALOGUE No intention to publish  
SERVICES Storage service (keeping organisms for research and teaching)  
DATE OF REPLY 12/11/87  
DATE OF ENTRY 10/28/81

**REGISTRATION NUMBER 510**

ACRONYM USDB  
POSTAL ADDRESS  
CORRE. Dr. Gloria Lim  
FULL NAME Botany Department (Culture) Mycological Collection  
INSTI. National University of Singapore  
ADDRESS Kent Ridge  
0511  
COUNTRY Singapore  
MAIL NUMBERS TEL 7722711  
STATUS university  
DIRECTOR Prof. G. Lim  
CURATORS Prof. Gloria Lim (Mycology)  
Dr. T.K. Tan (Mycology)  
NUMBER OF STAFFS  
MAIN SUBJECTS Mycology (2)  
Plant pathology  
Teaching

CULTURE HELD Bacteria (90)  
Fungi (386)  
Yeasts (70)  
Cell lines: plant (50)  
AVAILABILITY OF CULTURES  
Not available  
CATALOGUE No intention to publish  
SERVICES  
Training Teaching  
DATE OF REPLY 4/12/87  
DATE OF ENTRY 10/28/81

REGISTRATION NUMBER 511

ACRONYM CHULA  
POSTAL ADDRESS  
CORRE. Dr. Sumalee Pichyangkura  
FULL NAME Microbiology Department, Faculty of Science  
INSTI. Faculty of Science  
ADDRESS Phaya Thai Road  
Bangkok  
Thailand  
10500  
COUNTRY Thailand  
STATUS governmental  
DIRECTOR Dr. Sumalee Pichyangkura  
MAIN SUBJECTS Agriculture  
General microbiology  
Industrial microbiology  
Medical microbiology  
CULTURE HELD Bacteria (7)  
Fungi (32)  
DATE OF REPLY 12/26/85  
DATE OF ENTRY 10/28/81

REGISTRATION NUMBER 514

ACRONYM WHOREFCEN  
POSTAL ADDRESS  
CORRE. Dr. C.D. Kimber  
FULL NAME WHO Reference Centre for the Preservation of Pathogenic  
Protozoa  
INSTI. London School of Hygiene and Tropical Medicine  
ADDRESS Keppel Street  
London  
England  
WC1E 7HT  
COUNTRY United Kingdom  
STATUS governmental  
SPONSORS Reference Centre - WHO  
DIRECTOR Prof. W. Peters  
CURATORS C.D. Kimber  
MAIN SUBJECTS veterinary protozoology  
Medical microbiology  
Medical protozoology  
Veterinary  
SERVICES  
Ident. Protozoa  
DATE OF REPLY 4/22/85

DATE OF ENTRY 10/28/81

**REGISTRATION NUMBER 516**

ACRONYM RIPO  
POSTAL ADDRESS  
CORRE. Dr. L. Bos  
FULL NAME Virus Collection  
INSTI. Research Institute for Plant Protection  
ADDRESS P.O.Box 9060  
Wageningen  
6700GW  
COUNTRY Netherlands  
MAIL NUMBERS TEL 08370-19151  
TEX INTASML45888  
STATUS governmental  
SPONSORS Research Institute Plant Protection  
DIRECTOR Dr. L. Bos  
NUMBER OF STAFFS  
MAIN SUBJECTS Virology (1)  
Agriculture  
Freeze drying  
Plant pathology  
Plant Virology  
CULTURE HELD Viruses: plant (61)  
AVAILABILITY OF CULTURES  
Exchange  
CATALOGUE No intention to publish  
SERVICES  
Ident. Viruses (Plant viruses)  
Consul. Plant quarantine  
DATE OF REPLY 2/11/87  
DATE OF ENTRY 1/14/85

**REGISTRATION NUMBER 519**

ACRONYM SFBR  
POSTAL ADDRESS  
CORRE. Dr. S.S. Kalter  
FULL NAME Virus Reference Laboratory  
INSTI. Simian Viruses  
ADDRESS 7540 Louis Pasteur, Stite 202-203  
San Antonio  
Texas  
78229  
COUNTRY USA  
SPONSORS Non profit organization  
DIRECTOR Dr. S.S. Kalter  
CURATORS Dr. S.S. Kalter  
MAIN SUBJECTS Mammalian virology  
SERVICES  
Ident. Primate viruses  
DATE OF REPLY 7/10/85  
DATE OF ENTRY 10/28/81

**REGISTRATION NUMBER 522**

ACRONYM SMBA  
POSTAL ADDRESS

CORRE. Dr. M.F. Turner  
FULL NAME Dunstaffnage Marine Research Laboratory  
INSTI. Scottish Marine Biological Association  
ADDRESS P.O. Box 3  
Oban Argyll  
Scotland  
PA34 4AD  
COUNTRY United Kingdom  
SPONSORS Natural Environment Research Council  
DIRECTOR Prof. R.I. Currie  
CURATORS M.F. Turner  
MAIN SUBJECTS Marine biology  
CULTURE HELD Algae (90)  
Protozoa (2)  
Rotifers (2)  
AVAILABILITY OF CULTURES Free  
DATE OF REPLY 4/22/85  
DATE OF ENTRY 10/28/81

REGISTRATION NUMBER 530

ACRONYM LMS  
POSTAL ADDRESS  
CORRE. Dr. Daniel E. James  
FULL NAME Carolina Biological Supply Co.  
ADDRESS 2700 York Road  
Burlington  
North Carolina  
27215  
COUNTRY USA  
STATUS industry  
DIRECTOR Daniel E. James  
CURATORS Jackie Morris (Algae)  
Julie Hauser (Bacteria and fungi)  
William Pendergrass (Protozoa)  
MAIN SUBJECTS Educational  
CULTURE HELD Algae (165)  
Bacteria (128)  
Fungi (89)  
Yeasts (6)  
Protozoa (30)  
Cell lines animal (5)  
Viruses :bacteria (4)  
AVAILABILITY OF CULTURES Fee  
DATE OF REPLY 10/ 6/85  
DATE OF ENTRY 10/28/81

REGISTRATION NUMBER 532

ACRONYM CS  
POSTAL ADDRESS  
CORRE. Dr. S.W. Jeffrey  
FULL NAME CSIRO Culture Collection of Micro-algae  
INSTI. CSIRO Marine Laboratories  
ADDRESS Castray Esplanade  
Hobart  
Tasmania

7001  
 COUNTRY Australia  
 MAIL NUMBERS TEL 002-206-315  
 TEX 57182  
 FAX 002-240530  
 STATUS governmental  
 DIRECTOR Dr. S.W. Jeffrey  
 CURATORS S.I. Blaekburn (Algal culture)  
 J.M. Leroi (Algal culture)  
 NUMBER OF STAFFS Assistants (2)  
 MAIN SUBJECTS Mariculture  
 Marine biology  
 SUBCOLLECTIONS Mariculture Collection  
 CULTURE HELD Algae (300)  
 AVAILABILITY OF CULTURES  
 Free/Fee  
 CATALOGUE Publish own catalogue once every year  
 Planning to publish in 1989  
 SERVICES Distribution  
 Ident. Algae  
 Training Management of a culture collection  
 Culture and preservation methods  
 OTHER SERVICES We give training courses in microalgae technology  
 DATE OF REPLY 3/25/89  
 DATE OF ENTRY 10/28/81

**REGISTRATION NUMBER 533**

ACRONYM ACF  
 POSTAL ADDRESS  
 CORRE. Dr. Richard Zingmark  
 FULL NAME Algal Culture Facility  
 INSTI. University of South Carolina, Biology Department  
 ADDRESS Columbia  
 South Carolina  
 Tasmania  
 COUNTRY USA  
 STATUS university  
 DIRECTOR Richard Zingmark  
 CURATORS Richard Zingmark  
 MAIN SUBJECTS Physiology of phytoplankton  
 Source of food  
 Teaching material  
 CULTURE HELD Algae (20)  
 AVAILABILITY OF CULTURES  
 Free  
 DATE OF REPLY 10/ 7/85  
 DATE OF ENTRY 10/28/81

**REGISTRATION NUMBER 535**

ACRONYM NEPCC  
 POSTAL ADDRESS  
 CORRE. Ms. Elaine P. Simons  
 FULL NAME North East Pacific Culture Collection  
 INSTI. University of British Columbia, Department of  
 Oceanography  
 ADDRESS 6270 University Blvd

Vancouver  
 British Columbia  
 V6T 1W5  
 COUNTRY Canada  
 MAIL NUMBERS TEL 604-228-4378  
 STATUS university  
 DIRECTOR Dr. F.J.R. Taylor  
 CURATORS Elaine P. Simons (marine phytoplankton)  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Algology (1)  
 Microalgae  
 Culture and preservation methods  
 Ecology  
 Marine phycology  
 Systematics and taxonomy  
 CULTURE HELD Algae (340)  
 AVAILABILITY OF CULTURES  
 Exchange/Fee  
 CATALOGUE Publish own catalogue every second year  
 SERVICES Distribution  
 Ident. Algae  
 Training Management of a culture collection  
 Culture and preservation methods  
 DATE OF REPLY 1/11/88  
 DATE OF ENTRY 10/28/81

**REGISTRATION NUMBER 536**

ACRONYM CIAT  
 POSTAL ADDRESS  
 CORRE. Dr. Rosemary Bradley  
 FULL NAME CIAT Rhizobium Collection  
 INSTI. Centro Internacional de Agricultura Tropical  
 ADDRESS AA 6713  
 Cali  
 COUNTRY Colombia  
 MAIL NUMBERS TEL 675050  
 TEX 05769 CIAT CO  
 E-mail 57:CGI 301  
 STATUS governmental  
 SPONSORS CGIAR  
 DIRECTOR Rosemary Bradley  
 CURATORS Rosemary Bradley (Tropical forage Legume Rhizobia)  
 Judy Kipe Nolt (Bean (Phaseolus) rhizobia)  
 NUMBER OF STAFFS  
 Bacteriology (2)  
 COMPUTER SPECIALIST  
 Arturo Franco  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Freeze drying  
 SUBCOLLECTIONS Rhizobium Bradyrhizobium  
 CULTURE HELD Bacteria (3961)  
 AVAILABILITY OF CULTURES  
 Free  
 CATALOGUE We publish every 2-3 years a list of symbiotic  
 characteristics  
 SERVICES Distribution (to CIAT collaborators)  
 Training Management of a culture collection

Culture and preservation methods  
Quality control  
DATE OF REPLY 6/11/87  
DATE OF ENTRY 10/28/81

REGISTRATION NUMBER 537

ACRONYM PPCCE  
FULL NAME Portsmouth Polytechnic Culture Collection  
INSTI. Department of Biological Sciences  
ADDRESS King Henry I Street  
Portsmouth  
Hampshire  
COUNTRY Colombia  
United Kingdom  
STATUS governmental  
university  
DIRECTOR Prof. E.B. Gareth Jones  
CURATORS Dr. D. Cook  
MAIN SUBJECTS Marine fungi  
CULTURE HELD Fungi (1800)  
SERVICES  
Ident. Fungi imperfecti, Ascomycetes, Thraustochytriales  
DATE OF REPLY 4/18/85  
DATE OF ENTRY 10/28/81

REGISTRATION NUMBER 540

ACRONYM BRCC  
POSTAL ADDRESS  
CORRE. Mr. Richard Griffin  
FULL NAME Beltsville Rhizobium Culture Collection  
INSTI. United States Department of Agriculture  
Agricultural Research Service  
Nitrogen Fixation and Soybean Genetics  
ADDRESS Bldg 011, HH 19  
BARC-W, Beltsville  
Maryland  
20705  
COUNTRY USA  
MAIL NUMBERS TEL 301-344-4280  
STATUS governmental  
DIRECTOR Dr. Harold H. Keyser  
CURATORS Richard Griffin (Data Management, Preservation)  
MAIN SUBJECTS Agriculture  
Applied microbiology  
Ecology  
CULTURE HELD Bacteria (2700)  
AVAILABILITY OF CULTURES  
Free  
CATALOGUE Publish own catalogue once every 3 years  
SERVICES Storage service (will store Rhizobium germplasm  
if necessary)  
Distribution (will distribute any strains in collection)  
Training Management of a culture collection  
Culture and preservation methods  
Quality control  
Serology  
Inoculant production



Consul. Preservation  
DATE OF REPLY 1/27/88  
DATE OF ENTRY 10/28/81

**REGISTRATION NUMBER 542**

ACRONYM MR  
POSTAL ADDRESS  
CORRE. Prof. H. Iizuka  
FULL NAME MR Culture Collection of Microorganisms  
INSTI. Institute for Microbial Resources  
ADDRESS Kudankita 1-9-5-1209  
Chiyoda-ku  
Tokyo  
102  
COUNTRY Japan  
STATUS private  
DIRECTOR Prof. Hiroshi Iizuka  
CURATORS Dr. Chin-Fwu Lin  
Mr. Naohiko Iizuka  
MAIN SUBJECTS Agriculture  
General microbiology  
Industrial microbiology  
SUBCOLLECTIONS Aspergillus  
Monascus  
Mucor  
Rhizopus  
Penicillium  
CULTURE HELD Bacteria (6)  
Fungi (295)  
Yeasts (175)  
SERVICES  
Ident. Bacteria  
Fungi  
Yeasts  
DATE OF REPLY 12/15/85  
DATE OF ENTRY 10/28/81

**REGISTRATION NUMBER 544**

ACRONYM VSB  
POSTAL ADDRESS  
CORRE. Dr. Love Daria Nina  
FULL NAME Veterinary Pathology Bacteriology  
INSTI. University of Sydney  
ADDRESS Department of Veterinary Pathology  
University of Sydney  
2006  
COUNTRY Australia  
MAIL NUMBERS TEL 02-6922454  
FAX 6923056  
STATUS university  
DIRECTOR Prof. D.N. Love  
CURATORS Mr. J.Raus  
MAIN SUBJECTS Veterinary  
SUBCOLLECTIONS Nonsporeforming anaerobes (Veterinary)  
Corynebacterium Pseudotuberculosis  
Staphylococcus intermedius  
CULTURE HELD Bacteria (3000)

Fungi (5)  
Yeasts (10)  
Cell lines: animal (40)  
Viruses: animal (130)  
AVAILABILITY OF CULTURES  
Free/Fee  
CATALOGUE No intention to publish  
DATE OF REPLY 11/ 4/87  
DATE OF ENTRY 10/28/81

REGISTRATION NUMBER 545

ACRONYM LRC  
POSTAL ADDRESS  
CORRE. Dr. C.M. Tu  
FULL NAME Research Centre  
INSTI. Agriculture Canada  
ADDRESS 1400 Western Road  
London  
Ontario  
N6A 5B7  
Canada  
COUNTRY  
MAIL NUMBERS TEL 519-679-4452 EXT 205/209  
STATUS governmental  
SPONSORS Government  
DIRECTOR Dr. C.M. Tu  
CURATORS Dr. C.M. Tu (Scientist)  
NUMBER OF STAFFS

Bacteriology (1/2)  
Mycology (1/2)  
Assistants (1)  
MAIN SUBJECTS Agriculture  
Applied microbiology  
Biochemistry  
Culture and preservation methods  
Ecology  
Environmental protection  
General microbiology

CULTURE HELD Bacteria (26)  
Fungi (42)  
AVAILABILITY OF CULTURES  
Free  
CATALOGUE No intention to publish  
SERVICES  
Ident. Bacteria (Research)  
Fungi (Research)  
DATE OF REPLY 10/11/87  
DATE OF ENTRY 10/28/81

REGISTRATION NUMBER 550

ACRONYM CGMCC(<-CCCCM)  
POSTAL ADDRESS  
CORRE. Prof. Li Zhongqing  
FULL NAME Centre for General Microbiological Culture Collection  
China Committee for Culture Collections of Microorganisms  
INSTI. Institute of Microbiology, Academia Sinica  
ADDRESS Zhongguancun  
Beijing

100080  
 COUNTRY The People's Republic of China  
 MAIL NUMBERS TEL 28-5614  
 STATUS governmental  
 SPONSORS Academia Sinica  
 DIRECTOR Li Zhongqing  
 CURATORS Wang Dasi (bacteriology)  
 Ruang Jisneng (actinomycetes)  
 Yuan We (yeasts)  
 Li Zhongqing (mycology)

NUMBER OF STAFFS  
 Bacteriology (6)  
 Mycology (5)  
 Assistants (4)

COMPUTER SPECIALIST  
 (2)

MAIN SUBJECTS Applied microbiology  
 Biochemistry  
 Culture and preservation methods  
 Fermentation  
 Freeze drying  
 General microbiology  
 Genetics  
 Industrial microbiology  
 Systematics and taxonomy

CULTURE HELD Bacteria (2800)  
 Fungi (4800)  
 Yeasts (1500)

AVAILABILITY OF CULTURES  
 Exchange/Fee

CATALOGUE Publish own catalogue once every 5 years  
 Planning to publish in 1992

SERVICES Patent deposits  
 Storage service  
 Distribution

Ident. Bacteria  
 Fungi  
 Yeasts

Training Management of a culture collection  
 Culture and preservation methods  
 Numerical taxonomy and/or probabilistic identification

Consul. Patent deposits  
 Preservation  
 Propagation

DATE OF REPLY 1/26/89  
 DATE OF ENTRY 10/28/81

REGISTRATION NUMBER 551

ACRONYM TMC  
 POSTAL ADDRESS  
 CORRE. Dr. Darrel Gwinn  
 FULL NAME Mycobacterial Culture Collection  
 INSTI. National Jewish Hospital  
 ADDRESS 3800 East Colfax Avenue  
 Denver  
 Colorado  
 80206  
 COUNTRY USA

STATUS governmental  
CURATORS Dr. J. Kenneth McClatchy  
MAIN SUBJECTS Medical microbiology  
CULTURE HELD Bacteria (161)  
AVAILABILITY OF CULTURES  
Free  
SERVICES  
Ident. Mycobacteria  
DATE OF REPLY 9/18/85  
DATE OF ENTRY 10/28/81

REGISTRATION NUMBER 552

ACRONYM UCLAF  
POSTAL ADDRESS  
CORRE. Dr. N. Mazieres  
FULL NAME UC  
INSTI. Roussel UCLAF  
ADDRESS 111 Route de Noisy  
Romainville  
COUNTRY France  
STATUS industry  
DIRECTOR Dr. J. Raynaud  
CURATORS Dr. N. Mazieres  
MAIN SUBJECTS General microbiology  
Industrial microbiology  
CULTURE HELD Bacteria (2020)  
Fungi (510)  
Yeasts (150)  
AVAILABILITY OF CULTURES  
Free  
DATE OF REPLY 1/21/86  
DATE OF ENTRY 10/28/81

REGISTRATION NUMBER 553

ACRONYM CUETM  
POSTAL ADDRESS  
CORRE. Prof. H. Leclerc  
FULL NAME Collection Unite Ecotoxicologie Microbienne  
INSTI. INSERM  
ADDRESS Jules Guesde, 369  
Villeneuve de Ascq  
Nord  
STATUS industrial  
COUNTRY France  
SPONSORS Ministry of Health  
DIRECTOR Prof. H. Leclerc  
CURATORS Prof. H. Leclerc  
MAIN SUBJECTS Agriculture  
Industrial microbiology  
Medical microbiology  
CULTURE HELD Bacteria (2000)  
DATE OF REPLY 6/20/85  
DATE OF ENTRY 10/28/81

REGISTRATION NUMBER 554

ACRONYM LTI(<-LIA)

POSTAL ADDRESS  
 CORRE. Dr. Yo.E. Konev  
 FULL NAME Cryobank of Microorganisms  
 INSTI. Destructors of the Molecular Biotechnological Department  
 Leningrad Lenseviet Institute of Technology  
 ADDRESS Moscovsky Prospekt, 26  
 Leningrad 198013  
 COUNTRY USSR  
 STATUS governmental  
 DIRECTOR Dr. A.I. Genak  
 CURATORS Dr. Yo.E. Konev (microbiology)  
 Dr. V.N. Sokolov (mycology)  
 Dr. E.A. Volchek (mycology)  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Culture and preservation methods  
 Ecology  
 Freeze drying  
 Molecular biology  
 Systematics and taxonomy  
 CULTURE HELD Bacteria (250/500)  
 Fungi (65/195)  
 Yeasts (8/24)  
 AVAILABILITY OF CULTURES  
 Free/Exchange/Fee  
 CATALOGUE Planning to publish in 1990  
 SERVICES Storage service  
 Distribution  
 Ident. Bacteria  
 Fungi  
 Yeasts  
 Consul. Preservation  
 DATE OF REPLY 9/30/88  
 DATE OF ENTRY 10/28/81

**REGISTRATION NUMBER 555**

ACRONYM EFFPMI  
 POSTAL ADDRESS  
 CORRE. Dr. David Tyrrell  
 INSTI. Forest Pest Management Institute  
 ADDRESS P.O. Box 490  
 Sault Ste. Marie  
 Ontario  
 P6A 5M7  
 COUNTRY Canada  
 MAIL NUMBERS TEL 705-949-9461  
 STATUS governmental  
 SPONSORS Canadian forestry service, government.  
 DIRECTOR Dr. David Tyrrell  
 CURATORS Mrs. M.A. Welton  
 NUMBER OF STAFFS  
 Mycology (2)  
 MAIN SUBJECTS Applied microbiology  
 Environmental protection  
 Insect pathology  
 CULTURE HELD Fungi (150)  
 AVAILABILITY OF CULTURES  
 Free

CATALOGUE SERVICES No intention to publish  
Ident. Fungi (Insect pathogens)  
DATE OF REPLY 6/10/87  
DATE OF ENTRY 10/28/81

**REGISTRATION NUMBER 558**

ACRONYM CCBAS  
POSTAL ADDRESS  
CORRE. Prof. V. Krumphanzl, corresp. member Cz. Ac. Sci  
FULL NAME Culture Collection of Basidiomycetes  
INSTI. Institute of Microbiology, Czechoslovak Academy of Sciences.  
ADDRESS Videnska 1083  
Prague 4 Krc  
CSSR/Bohemia  
COUNTRY Czechoslovakia  
SPONSORS Czechoslovak Academy of Science, Prague  
DIRECTOR Dr. Vladimir Musilek  
CURATORS Dr. Marta Semerdzieva  
MAIN SUBJECTS Experimental mycology  
Macromycetes  
CULTURE HELD Fungi (503)  
DATE OF REPLY 7/ 9/85  
DATE OF ENTRY 2/10/82

**REGISTRATION NUMBER 559**

ACRONYM CCMCU  
POSTAL ADDRESS  
CORRE. Prof. J. Santa Maria  
FULL NAME Culture Collection of Microorganisms  
INSTI. Department of Microbiology (Escuela Tecnica Superior de  
Ingenieros Agronomos)  
ADDRESS Ciudad Universitaria  
28040 Madrid  
COUNTRY Spain  
STATUS university  
DIRECTOR Prof. J. Santa Maria  
CURATORS Carmen Dias Amado  
MAIN SUBJECTS General microbiology  
SUBCOLLECTIONS Yeasts (MCCY); Rhizobium (MCRC)  
CULTURE HELD Bacteria (433)  
Fungi (48)  
Yeasts (813)  
AVAILABILITY OF CULTURES Free  
Exchange/Fee  
DATE OF REPLY 11/ 7/85  
DATE OF ENTRY 3/ 1/82

**REGISTRATION NUMBER 561**

ACRONYM MCM(<-MACS)  
POSTAL ADDRESS  
CORRE. Dr. A.D. Agate Head. Microbiol. Dept. Macs Res. In  
FULL NAME MACS Collection of Microorganisms  
INSTI. MACS Research Institute, Pune, India  
ADDRESS Law College Road

	Pune
	Maharashtra
	411 004
COUNTRY	India
MAIL NUMBERS	TEL 56357,53683
STATUS	semi-governmental
SPONSORS	Autonomous body funded by GST (Govt.of India) Partial help received from UNESCO regional office, India
DIRECTOR	Dr. A.D. Agate
CURATORS	Dr. A.D. Agate (Microbiology)
NUMBER OF STAFFS	
MAIN SUBJECTS	Bacteriology (2) Applied microbiology Biochemistry Biogas technology Culture and preservation methods Ecology Environmental protection Food science Forest microbiology Freeze drying General microbiology Genetic engineering Geomicrobiology Industrial microbiology Molecular biology
CULTURE HELD	Bacteria (246) Fungi (11)
AVAILABILITY OF CULTURES	Exchange/Fee
CATALOGUE	Planning to publish in 1989 Need help to publish
SERVICES	Storage service (cultures used in metallurgy) Distribution (cultures used in metallurgy (Thiobacillus))
Ident.	Bacteria (Thiobacillus, methanogens, reducers)
Training	Management of a culture collection Culture and preservation methods
Consul.	Preservation Propagation
DATE OF REPLY	6/ 9/88
DATE OF ENTRY	5/30/82

**REGISTRATION NUMBER 562**

ACRONYM	UBFFTD
POSTAL ADDRESS	
CORRE.	Dr. P.R. Kulkarni
FULL NAME	Food and Fermentation Technology Division University of Bombay
INSTI.	Dept. of Chemical Technology
ADDRESS	Bombay Maharashtra 400 019
COUNTRY	India
MAIL NUMBERS	TEL 484306
STATUS	university
DIRECTOR	Prof. Dr. Ms. P.R. Kulkarni
CURATORS	Prof. P.R. Kulkarni (Food and Fermentation Technology)
MAIN SUBJECTS	Applied microbiology

Biochemistry  
 Fermentation  
 Food science  
 General microbiology  
 Industrial microbiology  
 CULTURE HELD Bacteria (35)  
 Fungi (20)  
 Yeasts (5)  
 AVAILABILITY OF CULTURES  
 Free  
 CATALOGUE No intention to publish  
 DATE OF REPLY 12/20/87  
 DATE OF ENTRY 5/30/82

**REGISTRATION NUMBER 563**

ACRONYM UICC  
 POSTAL ADDRESS  
 CORRE. Mrs. Indrawati Gandjar  
 FULL NAME University of Indonesia Culture Collection  
 INSTI. University of Indonesia  
 ADDRESS FMIPA-UI, Kampus Baru UI  
 Depok  
 Jawa Barat  
 COUNTRY Indonesia  
 STATUS private  
 university  
 DIRECTOR Dr. Indrawati Gandjar  
 CURATORS Dr. Indrawati Gandjar (Aspergillus and Rhizopus)  
 Mr. Wibowo Mangunwardoyo (Fusarium)  
 Mr. Iman Santoso (Penicillium)  
 Ms. Ariyanti Oetari (Yeasts)  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Mycology (4)  
 Applied microbiology  
 Fermentation  
 Food science  
 General microbiology  
 Industrial microbiology  
 Physiology  
 SUBCOLLECTIONS Rhizopus spp.  
 CULTURE HELD Bacteria (35)  
 Fungi (210)  
 Yeasts (25)  
 AVAILABILITY OF CULTURES  
 Exchange  
 CATALOGUE SERVICES Need help to publish  
 Ident. Fungi (Hyphomycetes and Zygomycetes)  
 Training Numerical taxonomy and/or probabilistic identification  
 DATE OF REPLY 1/25/88  
 DATE OF ENTRY 5/30/82

**REGISTRATION NUMBER 564**

ACRONYM DBUK  
 POSTAL ADDRESS  
 CORRE. Prof. S. Widanapathirana  
 FULL NAME Department of Botany



INSTI. University of Kelaniya  
 ADDRESS Dalugama  
 Kelaniya  
 COUNTRY Sri Lanka  
 STATUS university  
 DIRECTOR Prof. S. Widanapathirana  
 CURATORS Mr. W.A.A. Silva  
 NUMBER OF STAFFS Bacteriology (1)  
 Assistants (1)  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Forest microbiology  
 General microbiology  
 Industrial microbiology  
 Systematics and taxonomy  
 CULTURE HELD Bacteria (82)  
 Fungi (20)  
 AVAILABILITY OF CULTURES Free  
 CATALOGUE Need help to publish  
 SERVICES  
 Ident. Bacteria  
 Fungi  
 Yeasts  
 Training Management of a culture collection  
 Culture and preservation methods  
 DATE OF REPLY 12/13/87  
 DATE OF ENTRY 5/30/82

**REGISTRATION NUMBER 565**

ACRONYM SKUK  
 POSTAL ADDRESS  
 CORRE. Dr. Mohamad Sanusi Jangi  
 FULL NAME Simpanan Kultur Universiti Kebangsaan  
 INSTI. National University of Malaysia, Dept. of Microbiology  
 ADDRESS Bangi  
 Selangor  
 COUNTRY Malaysia  
 STATUS university  
 DIRECTOR Dr. N.M. Mahadi  
 CURATORS Dr. M.S. Jangi (bacteria)  
 Dr. M. Omar (fungi)  
 Prof. K.M. Graham (mushrooms and yeasts)  
 MAIN SUBJECTS Agriculture  
 Industrial microbiology  
 Insect microbiology  
 CULTURE HELD Bacteria (228)  
 Fungi (38)  
 Yeasts (30)  
 AVAILABILITY OF CULTURES Free  
 SERVICES  
 Ident. Bacillus thuringiensis, tropical mushrooms and  
 mycorrhizae  
 DATE OF REPLY 10/24/85  
 DATE OF ENTRY 5/30/82

**REGISTRATION NUMBER 567**

ACRONYM JCM  
POSTAL ADDRESS  
CORRE. Dr. T. Nakase  
FULL NAME Japan Collection of Microorganisms  
INSTI. RIKEN  
ADDRESS Hirosawa  
Wako-shi  
Saitama  
351-01  
COUNTRY Japan  
MAIL NUMBERS TEL 0484-62-1111  
FAX 0484-64-5651  
STATUS governmental  
DIRECTOR Dr. T. Nakase  
CURATORS Dr. Y. Benno  
Dr. Y. Kosako  
Mr. T. Kudo  
Dr. G. Okada  
Dr. K. Suzuki  
Dr. M. Suzuki  
Ms. M. Takashima  
Dr. A. Takematsu  
MAIN SUBJECTS Agriculture  
General microbiology  
Industrial microbiology  
CULTURE HELD Bacteria (4612)  
Fungi (568)  
Yeasts (1334)  
AVAILABILITY OF CULTURES  
Fee  
DATE OF REPLY 12/18/89  
DATE OF ENTRY 1/ 6/84

**REGISTRATION NUMBER 568**

ACRONYM NUSDM  
POSTAL ADDRESS  
CORRE. Dr. Ho Bow  
FULL NAME Department of Microbiology  
INSTI. National University of Singapore  
ADDRESS Lower Kent Ridge Road  
Singapore  
COUNTRY Singapore  
STATUS university  
SPONSORS Singapore Turf Club  
DIRECTOR Prof. Chan Soh Ha  
CURATORS Dr. Ho Bow  
MAIN SUBJECTS General microbiology  
Industrial microbiology  
Medical microbiology  
CULTURE HELD Bacteria (257)  
Fungi (22)  
DATE OF REPLY 12/24/85  
DATE OF ENTRY 1/ 6/84

**REGISTRATION NUMBER 569**

ACRONYM SAITP  
POSTAL ADDRESS  
CORRE. Dr. H.M Atkinson  
FULL NAME SAIT School of Pharmacy  
INSTI. SA Institute of Technology  
ADDRESS North Terrace  
Adelaide  
South Australia  
STATUS university  
COUNTRY Australia  
SPONSORS C.A.E.  
DIRECTOR Prof. B.J. Christie  
CURATORS H.M. Atkinson  
W.H. Woods  
MAIN SUBJECTS Medical microbiology  
SUBCOLLECTIONS Aeromonas (Human, animal, fish and environmental)  
Campylobacter (Human, animal, environmental and  
serotype strains)  
CULTURE HELD Bacteria (2000)  
Fungi (20)  
Yeasts (5)  
Viruses bacteri (40)  
AVAILABILITY OF CULTURES Free  
SERVICES  
Ident. Aeromonas, Campylobacter  
DATE OF REPLY 10/ 7/85  
DATE OF ENTRY 1/16/84

**REGISTRATION NUMBER 570**

ACRONYM VCP  
POSTAL ADDRESS  
CORRE. Dr. I.P. Griffith  
FULL NAME Victorian College of Pharmacy  
ADDRESS 381 Royal Parade  
Parkville  
Victoria  
South Australia  
COUNTRY Australia  
SPONSORS College of Advanced Education  
DIRECTOR Dr. I.P. Griffith  
MAIN SUBJECTS General microbiology  
Insect microbiology  
Pharmaceutical microbiology  
SUBCOLLECTIONS Pseudomonas  
Baculoviruses  
CULTURE HELD Bacteria (60)  
Yeasts (6)  
Viruses insect (10)  
DATE OF REPLY 3/ 3/86  
DATE OF ENTRY 6/20/84

**REGISTRATION NUMBER 571**

ACRONYM ACAM  
POSTAL ADDRESS  
CORRE. Dr. P. D. Franzmann

FULL NAME The Australian Collection of Antarctic Microorganisms  
 INSTI. Department of Agriculture, Science, University of Tasmania  
 ADDRESS University of Tasmania  
 Box 252C Hobart  
 Tasmania  
 7001  
 COUNTRY Australia  
 MAIL NUMBERS TEL 002-58150  
 TEX AA58150  
 FAX 002-202186  
 STATUS university  
 SPONSORS University of Tasmania; Australian Research Council:  
 DIRECTOR Dr. T.A. McMeekin  
 CURATORS Dr. P.D. Franzmann  
 MAIN SUBJECTS Antarctic microbiology  
 Ecology  
 Systematics and taxonomy  
 CULTURE HELD Algae (2)  
 Bacteria (100)  
 AVAILABILITY OF CULTURES  
 Exchange/Fee  
 CATALOGUE Publish own catalogue once every 3 years  
 SERVICES Storage service (will deposit antarctic microorganisms)  
 Distribution (\$A40 per culture)  
 DATE OF REPLY 11/ 3/88  
 DATE OF ENTRY 12/18/85

**REGISTRATION NUMBER 572**

ACRONYM ACCC  
 POSTAL ADDRESS  
 CORRE. Dr. Luo Chuanhao  
 FULL NAME Agricultural Culture Collection of China  
 INSTI. Institute of Soils and Fertilizers, CAAS  
 ADDRESS 30 Baishiqiao Lu  
 Beijing  
 100081  
 COUNTRY The People's Republic of China  
 MAIL NUMBERS TEL 896531-71 or  
 E-mail 4878  
 STATUS governmental  
 SPONSORS Chinese Academy of Agricultural Sciences  
 DIRECTOR Ye Bailing  
 CURATORS Zhou Chenxian (Edible fungi)  
 Zhang Jinxia (Edible fungi)  
 Guo Haoli (Fungi)  
 Liu Zhaowei (Yeast)  
 Guan Miaoji (Streptomyces)  
 Liang Shaufen (Bacteria)  
 Jiang Reibe (Culture Collection)  
 Luo Chuanhao (Bacteriology and Computer)  
 NUMBER OF STAFFS  
 Bacteriology (5)  
 Mycology (6)  
 Assistants (3)  
 COMPUTER SPECIALIST  
 Luo Chuanhao  
 MAIN SUBJECTS Agriculture  
 Applied microbiology

Culture and preservation methods  
 Food science  
 Plant pathology  
 Resources of microorganisms  
 Systematics and taxonomy  
**SUBCOLLECTIONS** ACCC Subcollection of Institute of Edible Fungi, Shanghai  
 <Edible fungi>  
 ACCC Subcollection of Institute of Plant Protection, CAAS,  
 Baijing <Plant pathogen>  
 ACCC Subcollection of Institute of the Application of Atomic  
 Energy in Agriculture <Streptomyces>  
**CULTURE HELD** Bacteria (2000)  
 Fungi (2200)  
 Yeasts (400)  
**AVAILABILITY OF CULTURES**  
 Exchange/Fee  
**CATALOGUE SERVICES** Planning to publish in 1989  
 Storage service  
 Distribution  
 Ident. Bacteria  
 Fungi  
 Yeasts  
 Training Culture and preservation methods  
 Quality control  
**DATE OF REPLY** 12/20/87

**REGISTRATION NUMBER 573**

**ACRONYM** BGSC  
**POSTAL ADDRESS**  
 CORRE. Dr. Donald H. Deau  
 INSTI. Bacillus Genetic Stock Center  
 ADDRESS 484 W. 12th Ave.  
 Columbus  
 OH  
 43210  
**COUNTRY** USA  
**MAIL NUMBERS** TEL 614-292-5550  
**STATUS** university  
**SPONSORS** National Science Foundation, various industrial donors  
**DIRECTOR** Donald H. Dean  
**CURATORS** Daniel R. Zeigler, Ph.D. (Microbial Genetics, Programm)  
 Mary Beth Dunn (Secretary)  
**NUMBER OF STAFFS**  
 Bacteriology (1)  
 Assistants (1)  
**COMPUTER SPECIALIST**  
 Daniel R. Zeigler  
**MAIN SUBJECTS** General microbiology  
 Genetic engineering  
 Genetics  
 Molecular biology  
**CULTURE HELD** Bacteria (1200)  
 Viruses: bacteria (70)  
**AVAILABILITY OF CULTURES**  
 Fee  
**CATALOGUE SERVICES** Publish own catalogue once every year  
 Planning to publish in 1987  
 Storage service

Ident. Distribution (Bacillus strains, phages, plasmids)  
Consul. Bacteria (only B. thuringiensis serovars)  
Genetics of bacilli  
DATE OF REPLY 12/ 1/87

**REGISTRATION NUMBER 574**

ACRONYM CCGB  
POSTAL ADDRESS  
CORRE. Mr. Leon Rabinovitch  
FULL NAME 'Colecao de Culturas do Genero Bacillus'  
Depart. de Bacteriologia  
INSTI. Instituto Oswaldo Cruz  
ADDRESS Av. Brasil, 4365  
Rio de Janeiro  
21040  
COUNTRY Brazil  
MAIL NUMBERS TEL 2706565  
TEX 2132445 FUOC BR  
STATUS semi-governmental  
SPONSORS FIOCRUZ & National Council of Research - CNPq  
CURATORS Leon Rabinovitch (Bacteriology)  
NUMBER OF STAFFS Bacteriology (2)  
Others (2)  
COMPUTER SPECIALIST in training  
MAIN SUBJECTS Applied microbiology  
Environmental protection  
Fermentation  
Food science  
Molecular biology  
CULTURE HELD Bacteria (600)  
AVAILABILITY OF CULTURES Exchange/Fee  
CATALOGUE Included in a regional catalogue 'Catalogo Nacional de  
Linhagens, 2nd.ed.,1986, Camp' Published once  
SERVICES Storage service  
Distribution  
Ident. Bacteria  
Training Culture and preservation methods  
DATE OF REPLY 10/12/87

**REGISTRATION NUMBER 575**

ACRONYM CCOC  
POSTAL ADDRESS  
CORRE. Dr. Antonio Eugenio Castro Cardoso de Almeida  
FULL NAME Colecao de Culturas Oswaldo Cruz (Oswaldo Cruz Culture  
Collection).  
INSTI. Instituto Nacional de Controle de Qualidade me Saude  
ADDRESS Avenida Brasil, 4365  
Rio de Janeiro  
21040  
COUNTRY Brazil  
MAIL NUMBERS TEL 021-290-0392  
TEX 021-34734 FUOC  
STATUS governmental  
SPONSORS Ministerio da Saude - MS (Ministry of Health)

DIRECTOR Antonio Eugenio Castro Cardoso de Almeida  
 CURATORS Ivano de Filippis (Microbiology/Immunology (bacteriology))  
 Vania F.B.V. Clementino (Bacteriology)  
 Bernardo Soares (Bacteriology)  
 Marilia M. Nishikawa (Mycology)  
 Mario Gatti (Mycology)

NUMBER OF STAFFS Bacteriology (3)  
 Mycology (2)  
 Assistants (1)

COMPUTER SPECIALIST Ivano de Filippis

MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Applied research  
 Biochemistry  
 Culture and preservation methods  
 Ecology  
 Environmental protection  
 Fermentation  
 Food science  
 Forest microbiology  
 Freeze drying  
 General microbiology  
 Genetic engineering  
 Genetics  
 Immunology  
 Industrial microbiology  
 Medical microbiology  
 Pharamacology  
 Systematics and taxonomy  
 Veterinary

SUBCOLLECTIONS Substancias Biologicas de Referencia  
 (reference biological substances, quality control)

CULTURE HELD Bacteria (157)  
 Fungi (36)  
 Yeasts (74)  
 Reference biological substances (74)

AVAILABILITY OF CULTURES Free

CATALOGUE Included in a regional catalogue "Catalog Nacional de  
 Linhagens - Fundacao Tropical "Andre Tosello"  
 Planning to publish in 1989

SERVICES Distribution (quality control, research, standardization)

Ident. Bacteria (all groups)  
 Fungi (depending on the group)  
 Yeasts (depending on the group)

Training Culture and preservation methods  
 Quality control

Consul. Preservation  
 Shipment regulations

DATE OF REPLY 2/ 2/88

REGISTRATION NUMBER 576

ACRONYM CCSIIA

POSTAL ADDRESS

CORRE. Mr. Yu Dunnian

FULL NAME Culture Collection of Sichuan Industrial Institute

INSTI. Antibiotics  
 ADDRESS Sichuan Industrial Institute of Antibiotics  
 Shanbangiao  
 Chengdu  
 Sichuan  
 21040

COUNTRY The People's Republic of China  
 MAIL NUMBERS TEL 44641  
 TEX 5497  
 EM

STATUS governmental  
 SPONSORS The State Pharmaceutical Administration of China  
 DIRECTOR Chen Zengxeng  
 CURATORS Yu Dunnian (Mycology)  
 Chen Chunfu (Bacteriology)  
 Chen Zengxiang (Bacteriology)

NUMBER OF STAFFS  
 Bacteriology (2)  
 Mycology (1)  
 Assistants (1)

MAIN SUBJECTS Culture and preservation methods  
 Freeze drying  
 Genetics  
 Industrial microbiology  
 Pharmacology

CULTURE HELD Bacteria (564)  
 Fungi (33)  
 Yeasts (15)

AVAILABILITY OF CULTURES  
 Exchange/Fee

CATALOGUE Planning to publish in 1990  
 Need help to publish

**REGISTRATION NUMBER 582**  
 ACRONYM CICC  
 POSTAL ADDRESS  
 CORRE. Mrs. Tang Erming  
 FULL NAME Center for Industrial Culture Collection  
 INSTI. Scientific Research Institute of Food and Fermentation  
 Industry, Ministry of Light Industry  
 ADDRESS San Li Tun  
 Beijing  
 COUNTRY The People's Republic of China  
 MAIL NUMBERS TEL 482846  
 STATUS governmental  
 DIRECTOR Tang Erming  
 CURATORS Cheng Cuizhang (Yeast)  
 Zhou Yi (Bacteria)  
 Gu Liang (Mold)  
 Wang Zhang (Selection of Species)

NUMBER OF STAFFS  
 Bacteriology (3)  
 Mycology (4)  
 Assistants (2)  
 Others (1)

MAIN SUBJECTS Applied microbiology  
 Culture and preservation methods  
 Fermentation



Food science  
 Freeze drying  
 Genetic engineering  
 Industrial microbiology  
 SUBCOLLECTIONS Shanghai Institute of Industrial Microbiology  
 <Bacteria of industrial fermentation>  
 Sichuan Institute of Food Industry <Food microorganisms>  
 Neimenggu Institute of Light Industry <Mold of brewing>  
 CULTURE HELD Bacteria (330)  
 Fungi (610)  
 Yeasts (660)  
 AVAILABILITY OF CULTURES  
 Exchange/Fee  
 CATALOGUE No intention to publish  
 Nonperiodic Publication  
 SERVICES Storage service  
 Distribution  
 Ident. Bacteria  
 Fungi  
 Yeasts  
 Training Culture and preservation methods  
 DATE OF REPLY 11/19/87

REGISTRATION NUMBER 583

ACRONYM CAIRO  
 POSTAL ADDRESS  
 CORRE. Prof. Dr. M.N.I. Magdoub  
 FULL NAME Cairo Microbiological Resource Centre  
 INSTI. Cairo MIRCEN  
 ADDRESS Faculty of Agriculture, P.O. Box 68  
 Hadayek Shoubra  
 Cairo  
 11241  
 COUNTRY Egypt  
 MAIL NUMBERS TEL 947178. 94528  
 TEX 20092 HELEO UN  
 STATUS university  
 SPONSORS UNESCO. UNEP.  
 DIRECTOR Prof. Dr. M.N.I. Magdoub  
 CURATORS Dr. M.E. Haddad (Algology)  
 Dr. A.Y. Gebreil (Bacteriology)  
 Dr. I.R. Said Ahmed (Cell Biology)  
 Dr. Nagwa M. Rasmy (Mycology)  
 Dr. E.O. Fayed (Virology)  
 NUMBER OF STAFFS  
 Algology (4)  
 Bacteriology (6)  
 Cell (4)  
 Mycology (2)  
 Virology (2)  
 Assistants (6)  
 Others (4)  
 COMPUTER SPECIALIST  
 Dr. A.M. Gaafar  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Cell biology  
 Culture and preservation methods

	Developmental biology
	Ecology
	Environmental protection
	Fermentation
	Food science
	Forest microbiology
	Freeze drying
	Genetic engineering
	Molecular biology
	Pharmacology
CULTURE HELD	Algae (20)
	Bacteria (650)
	Fungi (120)
	Yeasts (90)
AVAILABILITY OF CULTURES	Free
	Exchange
CATALOGUE	Publish own catalogue once every 3 years
	Planning to publish in 1992
	Need help to publish
SERVICES	Storage service (for researchers and industries)
	Distribution (for research & industrial production)
Training	Management of a culture collection
	Culture and preservation methods
	Quality control
	Genetic engineering
	Use of computer in culture collections
Consul.	Preservation
	Propagation
DATE OF REPLY	2/10/89

**REGISTRATION NUMBER 584**

ACRONYM	FLACC
POSTAL ADDRESS	
CORRE.	Dr. Fermin Rivera
FULL NAME	Free-Living Amoebae Culture Collection
INSTI.	Cyma Culture Collection
ADDRESS	Ave. Universidad 220-4
	Mexico
	D.F.,
	03020
COUNTRY	Mexico
MAIL NUMBERS	TEL 5-43-94-16
STATUS	private
SPONSORS	Asociacion Mexicana de Investigadores de la Contaminacion Ambiental, AIMIC. A. C.
DIRECTOR	Dr. Fermin Rivera (Protozoologist)
CURATORS	Ms. Sc. Elizabeth Ramirez (Microbiology)
	Ms. Sc. Patricia Bonilla (Microbiology)
	Arturo Calderon (Protozoology)
NUMBER OF STAFFS	Assistants (5)
	Others (6)
COMPUTER SPECIALIST	Antonio Labastida (mathematics)
	Agustin Paulin (programmer)
MAIN SUBJECTS	living Amoebae
	Culture and preservation methods

Determination of pathogenicity of free-living Amoebae  
 Ecology  
 Immunology  
 Medical microbiology  
 Systematics and taxonomy  
**SUBCOLLECTIONS** Pathogenic free living Amoebae isolated from the environment  
 <Amoebae from water (mainly thermal water) and  
 from atmosphere>  
**CULTURE HELD** Protozoa (120)  
**AVAILABILITY OF CULTURES**  
 Exchange/Fee  
**CATALOGUE** Publish own catalogue once every 2 years  
 Planning to publish in 1987  
**SERVICES**  
 Ident. Protozoa: pathogenic free living Amoebae, from waste water  
 treatment system  
 Training Management of a culture collection  
 Culture and preservation methods  
 Numerical taxonomy and/or probabilistic identification  
 Pathogenicity tests: isoelectric focusing, ELISA and  
 immunoperoxidase, immunofluorescence methods  
 Consul. Detection of pathogenic free living Amoebae in human  
 histological  
**DATE OF REPLY** 5/20/87

**REGISTRATION NUMBER 585**

**ACRONYM** KFCC  
**POSTAL ADDRESS**  
 CORRE. Dr. Juhyun Yu  
 FULL NAME Korean Federation of Culture Collection  
 ADDRESS Shinchondong Sodaemunku  
 Seoul  
 120-749  
**COUNTRY** KOREA  
**MAIL NUMBERS** TEL 02-392-0950  
**SPONSORS** 23 industrial companies  
**DIRECTOR** Juhyun Yu  
**CURATORS** Bongki Lee (Cell Lines)  
 Insoo Kong (Actinomycetes)  
 Yongjoon Chung (Bacteria & Plasmids)  
 Doo-hwan Oh (Molds)  
 Chulsoo Shin (Yeasts)

**NUMBER OF STAFFS**  
 Bacteriology (8)  
 Cell (2)  
 Mycology (3)  
 Assistants (2)

**COMPUTER SPECIALIST**

Yongjoon Chung  
**MAIN SUBJECTS** Applied microbiology  
 Biochemistry  
 Cell biology  
 Culture and preservation methods  
 Fermentation  
 Food science  
 Freeze drying  
 General microbiology  
 Genetic engineering

	Immunology
	Industrial microbiology
	Medical microbiology
	Physiology
	Systematics and taxonomy
CULTURE HELD	Bacteria (415)
	Fungi (318)
	Yeasts (185)
	Plasmids (114)
	Cell lines: animal (48)
	Viruses: bacteria (6)
AVAILABILITY OF	CULTURES
	Exchange/Fee
CATALOGUE	Publish own catalogue once every 2 years
SERVICES	Patent deposits (preservation, viability test, certification)
	Storage service
	Distribution
Ident.	Bacteria (genus-species)
	Fungi (genus-species)
	Yeasts (genus-species)
Training	Management of a culture collection
	Culture and preservation methods
	Genetic engineering
	Use of computer in culture collections
Consul.	Patent deposits
	Preservation
	Propagation
	Shipment regulations
DATE OF REPLY	11/12/88

**REGISTRATION NUMBER 586**

ACRONYM	FRI
POSTAL ADDRESS	
CORRE.	Dr. Tomoo Suzuki
FULL NAME	Fermentation Research Institute
INSTI.	The Fermentation Research Institute
ADDRESS	1-1-3 Higashi
	Tsukuba
	Ibaraki
	305
COUNTRY	JAPAN
MAIL NUMBERS	TEL 0298-54-6029
	TEX 3652570 AIST
	FAX 0298-54-6078
STATUS	governmental
DIRECTOR	Dr. Tomoo Suzuki
CURATORS	Dr. Yoshihiro Nakamura (General microbiology)
NUMBER OF STAFFS	
	Bacteriology (2)
	Cell (1)
	Mycology (1)
	Assistants (14)
	Others (2)
MAIN SUBJECTS	Patent deposits
CULTURE HELD	Total (8800)
AVAILABILITY OF	CULTURES
	Fee

CATALOGUE SERVICES No intention to publish  
Patent deposits  
Distribution  
Consul. Patent deposits  
Preservation  
DATE OF REPLY 1/26/89

REGISTRATION NUMBER 587

ACRONYM PROIMI

POSTAL ADDRESS

CORRE. Dr. Mrs. Lucia Castellanos de Figueroa  
FULL NAME Planta Piloto de Procesos Industriales Microbiologicos  
INSTI. Planta Piloto de Procesos Industriales Microbiologicos  
(PROIMT)

ADDRESS Acda. Belgrano y Caseros  
Tucuman  
Tucuman  
4000

COUNTRY Argentina

MAIL NUMBERS TEL 54+81+230744 or 54+81+232700

TEX 61200 Entel AR

FAX 54+81+23 2700

E-mail 7222+211100717

STATUS semi-governmental  
university

SPONSORS Consejo Nacional de Investigaciones Cientificas y Tecnicas  
(CONICET)

DIRECTOR Dr. Faustino Sineriz

CURATORS Dr. L. Castellanos (Microbiologist (Yeast))

Miss Yolanda Borchia (Technician)

NUMBER OF STAFFS

Bacteriology (2)

Assistants (1)

COMPUTER SPECIALIST

Eng. Roberto Fanjul

MAIN SUBJECTS Applied microbiology

Ecology

Environmental protection

Fermentation

Genetic engineering

Genetics

Industrial microbiology

CULTURE HELD Bacteria (20)

Yeasts (500)

AVAILABILITY OF CULTURES

Free

Shipping costs

CATALOGUE Planning to publish in 1990

DATE OF REPLY 1/30/89

REGISTRATION NUMBER 588

ACRONYM VKPM

POSTAL ADDRESS

CORRE. Dr. S.P. Sineoky

FULL NAME National Collection of Industrial Microorganisms USSR

INSTI. VNIIGENETICA

ADDRESS 1-st Dorozhny proezd, 1.

VNIIGENETICA  
 Moscow  
 113545

COUNTRY USSR  
 MAIL NUMBERS TEL 315-37-74  
 STATUS governmental  
 DIRECTOR Dr. S.P. Sineoky  
 CURATORS E.R. Odoevskaya (genetic strains)  
 T.V. Emceva (bacteria)  
 M.M. Voostin (yeasts)  
 L.N. Lavrova (fungi)  
 T.A. Chinearova (Actinomyces)  
 N.A. Lichachearva (bacteriophages)  
 V.V. Samsonov (vectors)  
 K.A. Bendookidze (animal cell lines)

NUMBER OF STAFFS  
 Algology (1)  
 Bacteriology (6)  
 Cell (6)  
 Mycology (4)  
 Virology (4)  
 Assistants (4)  
 Others (5)

COMPUTER SPECIALIST  
 D.S. Goldenberg

MAIN SUBJECTS Applied microbiology  
 Biochemistry  
 Cell biology  
 Culture and preservation methods  
 Ecology  
 Environmental protection  
 Fermentation  
 Freeze drying  
 Genetic engineering  
 Genetics  
 Immunology  
 Industrial microbiology  
 Molecular biology

CULTURE HELD  
 Algae (20)  
 Bacteria (4000)  
 Fungi (400)  
 Yeasts (600)  
 Plasmids (500)  
 Vectors (300)  
 Cell lines: animal (50)  
 Hybridomas: animal (1000)  
 Viruses: bacteria (880)  
 actinomyces (700)

AVAILABILITY OF CULTURES  
 Exchange/Fee

CATALOGUE SERVICES Planning to publish in 1990  
 Patent deposits  
 Storage service  
 Distribution

Ident. Bacteria  
 Fungi  
 Yeasts

Training Management of a culture collection  
 Culture and preservation methods

Genetic engineering  
Use of computer in culture collections  
Consul. Patent deposits  
Preservation  
Shipment regulations  
DATE OF REPLY 1/19/89

**REGISTRATION NUMBER 589**

ACRONYM ICMP  
POSTAL ADDRESS  
CORRE. Dr. J.M. Young  
FULL NAME International Collection of Microorganisms from Plants  
INSTI. Plant Diseases Division, DSIR  
ADDRESS 120 Mt Albert Rd  
Auckland  
  
COUNTRY New Zealand  
MAIL NUMBERS TEL Auckland 09893660  
TEX NZ 21623  
FAX Auckland 09863330  
STATUS governmental  
SPONSORS Department of Scientific and Industrial Research  
DIRECTOR J.M. Young  
NUMBER OF STAFFS  
Bacteriology (2)  
Mycology (1)  
MAIN SUBJECTS Agriculture  
Applied microbiology  
Ecology  
General microbiology  
Plant pathology  
Systematics and taxonomy  
CULTURE HELD Bacteria (4500)  
Fungi (2300)  
AVAILABILITY OF CULTURES  
Exchange/Fee  
CATALOGUE Publish own catalogue once every 5 years  
Planning to publish in 1987  
SERVICES Storage service (vacuum drging, under oil, deepfreeze(-80))  
Distribution (exchange or change)  
Ident. Bacteria (agricultural microorganisms;  
negotiated charge)  
Training Management of a culture collection  
Culture and preservation methods  
Use of computer in culture collections  
Numerical taxonomy and/or probabilistic identification  
Consul. Preservation  
Propagation  
Plant quarantine  
DATE OF REPLY 12/ 1/87

**REGISTRATION NUMBER 590**

ACRONYM IEBC  
POSTAL ADDRESS  
CORRE. Dr. H. de Barjac  
FULL NAME International Entomopathogenic Bacillus Centre (WHO)  
INSTI. INSTITUT PASTEUR Unit Bacteries Entomopathogenes

ADDRESS Institut Pasteur  
 25 et 28, rue du Dr Roux  
 Paris  
 75724 CEDEX 15  
 COUNTRY France  
 MAIL NUMBERS TEL (1)45.68.82.27  
 TEX 250609 F  
 FAX (1)43.06.98.35  
 STATUS private  
 DIRECTOR Pr. H. de Barjac  
 CURATORS E. Frachon (Microbiology, computers)  
 V. Cosmao Dumanoir (Microbiology, Serology)  
 H. Ripouteau (identification)  
 NUMBER OF STAFFS Bacteriology (4)  
 COMPUTER SPECIALIST  
 E. Frachon  
 MAIN SUBJECTS Applied microbiology  
 Biological Control of Insects  
 Culture and preservation methods  
 Environmental protection  
 General microbiology  
 Major Interest  
 SUBCOLLECTIONS Pasteur Collection of Bacillus = PCB <Saprophytic Bacillus  
 spp.>  
 CULTURE HELD Bacteria (1811)  
 AVAILABILITY OF CULTURES  
 Free/Universities  
 Fee/Industry  
 CATALOGUE Publish own catalogue once every 2 years  
 SERVICES Storage service  
 Distribution  
 Ident. Bacteria (Bacillus spp.)  
 Training Culture and preservation methods  
 Use of computer in culture collections  
 Consul. Preservation  
 DATE OF REPLY 10/10/88

**REGISTRATION NUMBER 591**

ACRONYM NIES  
 POSTAL ADDRESS  
 CORRE. Dr. Makoto M. Watanabe  
 FULL NAME Microbial Culture Collection  
 INSTI. National Institute for Environmental Studies  
 ADDRESS 16-2 Onogawa  
 Tsukuba  
 Ibaraki  
 305  
 COUNTRY Japan  
 MAIL NUMBERS TEL 0298-51-6111  
 FAX 0298-51-4732  
 STATUS governmental  
 DIRECTOR Makoto M. Watanabe  
 CURATORS Fumie Kasai (Taxonomy)  
 Akira Shimizu (Computer)  
 NUMBER OF STAFFS  
 Algology (2)  
 COMPUTER SPECIALIST



MAIN SUBJECTS (1)  
 Applied microbiology  
 Biochemistry  
 Ecology  
 Environmental protection  
 Evolutionary biology  
 Food science  
 Forest microbiology  
 Freeze drying  
 Molecular biology  
 Physiology  
 Systematics and taxonomy  
 CULTURE HELD Algae (500)  
 Protozoa (6)  
 AVAILABILITY OF CULTURES  
 Fee  
 CATALOGUE Publish own catalogue once every 3 years  
 SERVICES Storage service  
 Distribution  
 DATE OF REPLY 4/ 5/89

**REGISTRATION NUMBER 592**  
 ACRONYM OGC/CMA  
 POSTAL ADDRESS  
 CORRE. Dr. David R. Boone  
 FULL NAME Oregon Graduate Center Collection of Methanogenic  
 Archaeobacteria  
 INSTI. Oregon Graduate Center  
 ADDRESS 19600 NW Von Neumann Dr.  
 Beaverton  
 Oregon  
 97006-1999  
 COUNTRY USA  
 MAIL NUMBERS TEL 503-690-1146  
 FAX 503-690-1029  
 E-mail BITNET:BOONE%ESE.OGC.EDU@RELAY.CS.NET  
 STATUS university  
 SPONSORS Gas Research Institute, University of Florida, Oregon  
 Graduate Center  
 DIRECTOR David R. Boone  
 NUMBER OF STAFFS  
 Bacteriology (3)  
 COMPUTER SPECIALIST  
 Antonio Baptista  
 MAIN SUBJECTS Culture and preservation methods  
 Ecology  
 Environmental protection  
 Systematics and taxonomy  
 CULTURE HELD Bacteria (82)  
 AVAILABILITY OF CULTURES  
 Fee  
 Note: waived for non-profit institutions  
 CATALOGUE Publish own catalogue once every year  
 SERVICES Storage service  
 (store unpublished strains 2 year before releasing)  
 Distribution  
 Training Culture and preservation methods  
 Consul. Preservation

DATE OF REPLY Propagation  
2/22/89

REGISTRATION NUMBER 593

ACRONYM BPS  
POSTAL ADDRESS  
CORRE. Dr. Bernardo T. Mora, Jr.  
INSTI. Biologicals Production Service  
ADDRESS Alabang, Muntinlupa  
Metro Manila  
Rizal  
Oregon  
COUNTRY Philippines  
MAIL NUMBERS TEL 842-56-35 Loc. 230  
STATUS governmental  
MAIN SUBJECTS Biological Production  
Freeze drying  
Veterinary  
SERVICES Distribution  
(vaccine distribution to regional health offices)  
Training Quality control  
DATE OF REPLY 1/ 5/89

REGISTRATION NUMBER 594

ACRONYM NAVAL  
POSTAL ADDRESS  
CORRE. Dr. James C. Coolbavgh  
INSTI. Naval Medical Research Unit No. 2, San Lazapu Hospital  
ADDRESS Quiricada  
Manila  
COUNTRY Philippines  
MAIL NUMBERS TEL 732-3776/78  
TEX 722-27366  
STATUS governmental  
SPONSORS U.S. Naval Medical Research and Development Command  
DIRECTOR Dr. Stephen E. Walz  
NUMBER OF STAFFS  
Bacteriology (1)  
MAIN SUBJECTS Medical microbiology  
CULTURE HELD Bacteria (1000)  
AVAILABILITY OF CULTURES  
Free  
CATALOGUE No intention to publish  
DATE OF REPLY 2/10/89

REGISTRATION NUMBER 595

ACRONYM IGC  
POSTAL ADDRESS  
CORRE. Prof. N. Van Uden  
FULL NAME The Portuguese Yeast Culture Collection  
INSTI. Lab. of Microbiology, Gulbenkian Institute of Science  
ADDRESS 2781 OEIRAS Codex  
COUNTRY Portugal  
MAIL NUMBERS TEL 2431436

STATUS private  
 SPONSORS Calouste Gulbenkian Foundation  
 DIRECTOR Prof. N. van Uden  
 NUMBER OF STAFFS  
     Mycology (2)  
     Assistants (1)  
     Others (1)  
 MAIN SUBJECTS Applied microbiology  
     Biochemistry  
     Physiology  
     Systematics and taxonomy  
 CULTURE HELD Yeasts (1400)  
 AVAILABILITY OF CULTURES  
     Free  
     Exchange/Fee  
 CATALOGUE Planning to publish in 1989  
 SERVICES  
     Training Yeast identification and taxonomy  
 DATE OF REPLY 8/ 5/87

REGISTRATION NUMBER 596

ACRONYM IPPAS  
 POSTAL ADDRESS  
     CORRE. Dr. M.G. Vladimirova  
     FULL NAME Culture Collection of Unicellular Algae  
     INSTI. K.A. Timirjazev Institute of Plant Physiology  
         USSR Academy of Sciences  
     ADDRESS Botanitcheskaya, 35  
         Moscow  
         127276  
     COUNTRY USSR  
 MAIL NUMBERS TEL 482-44-91  
 STATUS governmental  
 DIRECTOR Dr. M.G. Vladimirova  
 CURATORS Dr. M.G. Vladimirova (algology)  
 NUMBER OF STAFFS  
     Algology (6)  
 COMPUTER SPECIALIST  
     1  
 MAIN SUBJECTS Biochemistry  
     Cell biology  
     Culture and preservation methods  
     Immunology  
     Physiology  
 CULTURE HELD Algae (340)  
 AVAILABILITY OF CULTURES  
     Prefer exchange  
 CATALOGUE Planning to publish in 1989  
     Published in "Cultivation of Collected Strains of Algae  
     (1983)"  
 SERVICES Patent deposits  
     Storage service  
     Distribution  
     Training Management of a culture collection  
     Culture and preservation methods  
     Consul. Preservation  
     Propagation  
 DATE OF REPLY 2/29/88

**REGISTRATION NUMBER 597**

ACRONYM KCTC  
POSTAL ADDRESS  
CORRE. Dr. Yong-Ha Park  
FULL NAME Korean Collection for Type Cultures  
INSTI. Genetic Engineering Center, Korea Inst. Sci & Tech (KIST)  
ADDRESS P.O.Box 131, Cheongryang  
Seoul  
131  
COUNTRY Korea  
MAIL NUMBERS TEL 962-8801 EXT 3372:3375.3377  
TEX KISTROK K278  
FAX 02-963-4013  
E-mail 142:CDT0366  
STATUS semi-governmental  
SPONSORS Ministry of Science & Technology  
DIRECTOR Dr. Young-Hee Kho  
CURATORS Dr. Yong-Ha Park (Actinomycetes)  
Dr. Kyung-Sook Bae (Bacteria)  
Dr. Seong-Kwan Cha (Yeast & fungi)  
NUMBER OF STAFFS  
Bacteriology (6)  
Cell biology (1)  
Mycology (2)  
Assistants (2)  
Others (3)  
COMPUTER SPECIALIST  
Dr. Yong-Ha Park, Mr. Ki-Jung Park  
MAIN SUBJECTS Applied microbiology  
Culture and preservation methods  
Evolutionary biology  
Fermentation  
Freeze drying  
General microbiology  
Genetic engineering  
Industrial microbiology  
Molecular biology  
Systematics and taxonomy  
CULTURE HELD Bacteria (5005)  
Fungi (178)  
Yeasts (225)  
Plasmids (51)  
Cell lines: animal (98)  
Cell lines: plant (31)  
Hybridomas: animal (21)  
AVAILABILITY OF CULTURES  
Exchange/Fee  
CATALOGUE Publish own catalogue once every 2 years  
SERVICES Patent deposits (bacteria, fungi, cell lines, plasmids)  
Storage service (bacteria, fungi, cell lines, plasmids)  
Distribution (bacteria, fungi, cell lines, plasmids)  
Ident. Bacteria (Gram negatives, Gram positives)  
Training Management of a culture collection  
Culture and preservation methods  
Quality control  
Use of computer in culture collections  
Numerical taxonomy and/or probabilistic identification

Consul. Patent deposits  
Preservation  
DATE OF REPLY 8/ 9/89

**REGISTRATION NUMBER 598**

ACRONYM MUACC  
POSTAL ADDRESS  
CORRE. Dr. Michael A. Borowitka  
FULL NAME Murdoch University Algal Culture Collection  
INSTI. Murdoch University  
ADDRESS School of Biological and Environmental Sciences  
Murdoch  
Western Australia  
6150  
COUNTRY Australia  
MAIL NUMBERS TEL 09-332-2333  
TEX AA92711  
FAX 09-332-2507  
STATUS university  
DIRECTOR Dr. Michael A. Borowitka  
NUMBER OF STAFFS  
MAIN SUBJECTS Algology (2)  
Applied microbiology  
Biochemistry  
Biotechnology  
Physiology  
CULTURE HELD Algae (157)  
AVAILABILITY OF CULTURES  
Free  
Exchange/Fee  
CATALOGUE Publish own catalogue once every 2 years  
SERVICES Storage service  
Ident. Algae  
Training Culture and preservation methods  
Commercial scale algal culture  
Consul. Commercial scale algal culture  
DATE OF REPLY 2/12/87

**REGISTRATION NUMBER 599**

ACRONYM MZKIBK  
POSTAL ADDRESS  
CORRE. Dr. Mrs. Aleksa Cimerman  
FULL NAME Microbial Collection of Chemical Institute 'Boris Kidric'  
INSTI. Kemijski Institut 'Boris Kidric'  
ADDRESS Hajdrihova 19  
Ljubljana  
Slovenija  
61000  
COUNTRY Yugoslavia  
MAIL NUMBERS TEL 061-263-061  
TEX 321121 KIBKLJ YU  
STATUS governmental  
CURATORS Aleksa Cimerman (industrial fungi)  
Elizabeta Pertot (industrial fungi)  
NUMBER OF STAFFS  
Mycology (2)  
Assistants (2)

MAIN SUBJECTS Applied microbiology  
 Biochemistry  
 Culture and preservation methods  
 Fermentation  
 Food science  
 Industrial microbiology  
 CULTURE HELD Algae (45)  
 Fungi (210)  
 AVAILABILITY OF CULTURES  
 Free  
 Exchange/Fee  
 CATALOGUE No intention to publish  
 Seperate reprint of publication enclosed  
 SERVICES Patent deposits  
 Storage service  
 Distribution  
 Training Management of a culture collection  
 Culture and preservation methods  
 Quality control  
 Consul. Preservation  
 Propagation  
 DATE OF REPLY 11/23/87

**REGISTRATION NUMBER 600**

ACRONYM SARC  
 POSTAL ADDRESS  
 CORRE. Dr. B.W. Strydom  
 FULL NAME South African Rhizobium Collection  
 INSTL. Plant Protection Research Institute  
 ADDRESS Private Bag X134  
 Pretoria  
 0001  
 COUNTRY South Africa  
 MAIL NUMBERS TEL 012-708046  
 TEX 322149  
 STATUS governmental  
 DIRECTOR Dr. B.W. Strydom  
 CURATORS Mr. C. Oho (Rhizobium spp.)  
 Dr. J.L. Staphorst (Rhizobium spp.)  
 COMPUTER SPECIALIST  
 Dr. Staphorst  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 CULTURE HELD Bacteria (500)  
 AVAILABILITY OF CULTURES  
 Free  
 CATALOGUE No intention to publish  
 SERVICES Distribution (inoculant manufactures)  
 Ident. Bacteria (Rhizobium shrauns)  
 Consul. Propagation  
 DATE OF REPLY 2/ 4/88

**REGISTRATION NUMBER 601**

ACRONYM TCC  
 POSTAL ADDRESS  
 CORRE. Dr. Erney Plessmann Camargo  
 FULL NAME Trypanosomatidae Culture Collection

INSTI. Department of Parasitology - University of Sao Paulo  
 ADDRESS Av. Lineu Prestes 1374  
 Sao Paulo  
 05508  
 COUNTRY Brazil  
 MAIL NUMBERS TEL 55-11-210.43.11 EXT 262  
 TEX 11-80664 UVSI BR  
 STATUS governmental  
 university  
 SPONSORS University of Sao Paulo.. FINEP  
 DIRECTOR Dr. Erney Plessmann Camargo  
 CURATORS Marta Campaner (Protozoologist)  
 Marta Teixeira (Immunologist)  
 Carlos Winter (Molecular Biologist)  
 NUMBER OF STAFFS Protozoology (12)  
 COMPUTER SPECIALIST  
 MAIN SUBJECTS Gloria Maria dal Colleto  
 Biochemistry  
 Genetic engineering  
 Immunology  
 Molecular biology  
 Protozoology  
 Systematics and taxonomy  
 CULTURE HELD Protozoa (75)  
 AVAILABILITY OF CULTURES Exchange  
 SERVICES  
 Ident. Protozoa - Trypanosomatidae  
 Training Management of a culture collection  
 Culture and preservation methods  
 Quality control  
 Genetic engineering  
 Use of computer in culture collections  
 Numerical taxonomy and/or probabilistic identification  
 DATE OF REPLY 4/20/88

**REGISTRATION NUMBER 602**

ACRONYM BOROK  
 POSTAL ADDRESS  
 CORRE. Dr. Elizarova V.A.  
 FULL NAME The Collection of algae  
 INSTI. Institute for Biology of Inland Waters Academy of Sciences  
 of the USSR  
 ADDRESS Jaroslavl, Nekouz  
 152742  
 COUNTRY USSR  
 STATUS governmental  
 SPONSORS Institute for Biology of Inland Waters Academy of Sciences  
 of the USSR  
 DIRECTOR Elizarova V.A.  
 CURATORS Elizarova V.A. (phytoplanktonologist)  
 NUMBER OF STAFFS Algology (1)  
 MAIN SUBJECTS Ecology  
 CULTURE HELD Algae (15)  
 AVAILABILITY OF CULTURES Free

CATALOGUE Included in a regional catalogue 'Cultivirovanie  
collecziionnich stammov vodorosley, Leningrad,  
s. 128-129 (1983)'

**REGISTRATION NUMBER 603**

ACRONYM UPSC  
POSTAL ADDRESS  
CORRE. Dr. O. Constantinescu  
FULL NAME Uppsala University Culture Collection  
INSTI. University of Uppsala, The Herbarium  
ADDRESS P.O.Box 541  
Uppsala  
751 21  
COUNTRY Sweden  
MAIL NUMBERS TEL 46-18-182794  
E-mail EARN NODE:SEMAX51 ID:FYTOOC  
STATUS governmental  
DIRECTOR Dr. Roland Moberg  
CURATORS Dr. O. Constantinescu (mycology)  
NUMBER OF STAFFS  
Mycology (1)  
Assistants (1)  
MAIN SUBJECTS Culture and preservation methods  
Systematics and taxonomy  
CULTURE HELD Fungi (1400)  
Lichens (100)  
AVAILABILITY OF CULTURES  
Exchange/Fee  
CATALOGUE Planning to publish in 1987  
SERVICES  
Ident. Fungi (filamentous)  
handling and identifying microfungi  
DATE OF REPLY 6/10/87

**REGISTRATION NUMBER 604**

ACRONYM URM  
POSTAL ADDRESS  
CORRE. Dr. Maria Jose dos Santos Fernandes  
INSTI. Departamento de Micologia da Universidade Federal de PE.  
ADDRESS Prof. Artur de Sa s/n  
Recife  
Rernambuco  
50739  
COUNTRY Brazil  
MAIL NUMBERS TEL 271-3469  
TEX 811267 UFPB BR  
STATUS university  
DIRECTOR Maria Jose dos Santos Fernandes  
NUMBER OF STAFFS  
Mycology (21)  
MAIN SUBJECTS Agriculture  
Biochemistry  
Culture and preservation methods  
Ecology  
Genetics  
Medical microbiology  
Physiology



CULTURE HELD Systematics and taxonomy  
Fungi (1699)  
Yeasts (313)  
AVAILABILITY OF CULTURES  
Fee  
CATALOGUE Publish own catalogue once every 2 years  
Need help to publish  
SERVICES Storage service (agar under mineral oil)  
Ident. Fungi  
Yeasts  
Training Culture and preservation methods  
Consul. Preservation  
DATE OF REPLY 12/10/87

**REGISTRATION NUMBER 605**

ACRONYM UTCC  
POSTAL ADDRESS  
CORRE. Ms. Juay C. Acreman  
FULL NAME University of Toronto Culture Collection  
INSTI. University of Toronto  
ADDRESS Dept. of Botany U. of Toronto  
Toronto  
Ontario  
M5S 1A1  
COUNTRY Canada  
MAIL NUMBERS TEL 416-978-3641  
FAX 416-978-3884  
E-mail UTCC at VM.UTCS.UTORONTO.CA on BITNET  
STATUS university  
SPONSORS University of Toronto, Ontario Ministry of Environment,  
Natural Sciences and Engineering Research Council  
DIRECTOR Dr. Pamela M. Stokes  
CURATORS Judy C. Acreman (Phycology (Algology))  
Dr. John Coleman (Microbiology)  
Dr. Czesia Nalewajko (Phycology (Algology))  
Dr. Don Kushner (Microbiology)  
MAIN SUBJECTS Culture and preservation methods  
Ecology  
Environmental protection  
Fresh water microbiology  
Genetic engineering  
CULTURE HELD Algae (148)  
Bacteria (29)  
Angiosperm (1)  
AVAILABILITY OF CULTURES  
Exchange/Fee  
CATALOGUE Planning to publish in 1989  
SERVICES Storage service (safe-deposit of cultures)  
Distribution (all culture except those on safe-deposit)  
Ident. Mass Cultures, Isolation on Request  
Training Culture and preservation methods  
DATE OF REPLY 6/12/89

**REGISTRATION NUMBER 606**

ACRONYM UTEX  
POSTAL ADDRESS  
CORRE. Dr. Jeff Zeikns

FULL NAME Culture Collection of Algae at The University of Texas at  
 Austin  
 INSTI. University of Texas at Austin  
 ADDRESS Department of Botany  
 Austin  
 Texas  
 TX78713-76  
 COUNTRY USA  
 MAIL NUMBERS TEL 512-471-4019  
 STATUS university  
 SPONSORS U.S. National Science Foundation and University of Texas at  
 Austin  
 DIRECTOR Dr. Richard C. Starv  
 CURATORS Dr. Jeff Zeikns (Algology)  
 NUMBER OF STAFFS  
 Algology (1)  
 Assistants (4)  
 MAIN SUBJECTS Culture and preservation methods  
 CULTURE HELD Algae (2089)  
 AVAILABILITY OF CULTURES  
 Fee  
 CATALOGUE Publish own catalogue once every year  
 SERVICES Storage service (live algal cultures growth at 20C)  
 Distribution (distribution without restrictions)  
 Consul. Preservation  
 Propagation  
 DATE OF REPLY 11/11/87

**REGISTRATION NUMBER 607**

ACRONYM WPBS(<-RCR)  
 POSTAL ADDRESS  
 CORRE. Dr. M. Dye  
 FULL NAME WPBS Rhizobium Collection  
 INSTI. WELSH Plant Breeding Station  
 ADDRESS Plas Gogerddan  
 Aberystwyth  
 Dyfed  
 SY23 3EB  
 COUNTRY United Kingdom  
 MAIL NUMBERS TEL 0970-828255  
 FAX 0970-828357  
 STATUS governmental  
 SPONSORS Agricultural And Food Research Council  
 DIRECTOR Dr. L.R. Mytton  
 CURATORS Dr. M. Dye (Rhizobium)  
 NUMBER OF STAFFS  
 Assistants (1)  
 MAIN SUBJECTS Agriculture  
 Culture and preservation methods  
 Ecology  
 CULTURE HELD Bacteria (650)  
 AVAILABILITY OF CULTURES  
 Fee  
 CATALOGUE Planning to publish in 1988  
 SERVICES Distribution (on request, for fee)  
 Training Management of a culture collection  
 Culture and preservation methods  
 Consul. Rhizobium technology

DATE OF REPLY 2/12/87

REGISTRATION NUMBER 608

ACRONYM YGSC  
POSTAL ADDRESS  
CORRE. Mrs. Rebecca Contopouleu  
FULL NAME Yeast Genetic Stock Center  
INSTI. University of California  
ADDRESS Dept. of Biophysics to Medical Physics  
Univ. of California, Berkeley  
California  
99720  
COUNTRY USA  
MAIL NUMBERS TEL 415-642-0815  
STATUS university  
SPONSORS National Institutes of Health, USA  
DIRECTOR Prof. Robert K. Mortimer  
CURATORS Rebecca Contopoulou (Microbiology/Yeast Genetics)  
NUMBER OF STAFFS Assistants (1)  
MAIN SUBJECTS Genetic engineering  
Genetics  
Molecular biology  
CULTURE HELD Yeasts (1000)  
AVAILABILITY OF CULTURES Fee  
CATALOGUE Publish own catalogue once every 3 years  
Planning to publish in 1989  
SERVICES Storage service  
Distribution  
Consul. Preservation  
DATE OF REPLY 5/18/88

REGISTRATION NUMBER 609

ACRONYM ACA-DC  
POSTAL ADDRESS  
CORRE. Dr. E. Kamaraki  
FULL NAME Agricultural College of Athens-Dairy culture  
INSTI. Laboratory of Dairy Microbiology, Agricultural Univ. of  
Athens  
ADDRESS 75. Iera odos  
Botanikos  
Athens  
118 55  
COUNTRY Greece  
MAIL NUMBERS TEL 34.65.333  
TEX 225018 AGSA GR  
FAX 301/34.60885  
E-mail 0256  
STATUS university  
DIRECTOR George Kalatzopoulos  
CURATORS E. Kamaraki (Agriculture)  
E. Manolopoulou (Agriculture)  
E. Tsakalidou (Chemistry)  
E. Christoforidou (Biology)  
E. Zoidou (Agriculture)  
NUMBER OF STAFFS

Bacteriology (8)  
 COMPUTER SPECIALIST  
 MAIN SUBJECTS A. Aktipis  
 Agriculture  
 Fermentation  
 Food science  
 Systematics and taxonomy  
 AVAILABILITY OF CULTURES  
 Free  
 CATALOGUE SERVICES Publish own catalogue once every 2 years  
 Ident.  
 DATE OF REPLY Bacteria (Lactic acid bacteria)  
 7/17/89

**REGISTRATION NUMBER 610**

ACRONYM BPIC  
 POSTAL ADDRESS  
 CORRE. Dr. P.G. Psallidas  
 FULL NAME Benaki Phytopathological Institute Collection  
 INSTL. Benaki Phytopathological Institute  
 ADDRESS St. Delta 8  
 Kifissia  
 Athens  
 145 61  
 COUNTRY Greece  
 MAIL NUMBERS TEL 8078-832  
 STATUS semi-governmental  
 CURATORS P.G. Psallidas (Bacteriology)  
 A.S. Alivizatos (Bacteriology)  
 Anna Chitzanidis (Mycology)  
 P.E. Kyriakopoulou (Virology)  
 F. Bem (Virology)

NUMBER OF STAFFS  
 Bacteriology (2)  
 Mycology (1)  
 Virology (2)

**COMPUTER SPECIALIST**

Aphrodite Kleidona  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Plant pathology  
 Systematics and taxonomy  
 SUBCOLLECTIONS Benaki Phytopathological Institute Collection  
 <Plant Pathogenic Bacteria>  
 Benaki Phytopathological Institute Collection  
 <Plant Pathogenic Fungi>  
 Benaki Phytopathological Institute Collection  
 <Plant Pathogenic Viruses>  
 CULTURE HELD Bacteria (1000)  
 Fungi (300)  
 Viruses: plant (14)  
 AVAILABILITY OF CULTURES  
 Exchange  
 Not yet decided  
 CATALOGUE SERVICES Planning to publish in 1991  
 Storage service (phytopathogens, mainly Greek isolates)  
 Ident. Bacteria (phytopathogenic)  
 Viruses (phytopathogenic)

Training Culture and preservation methods  
Consul. Plant quarantine  
DATE OF REPLY 6/18/89

REGISTRATION NUMBER 611

ACRONYM CCTCC

POSTAL ADDRESS

CORRE. Mr. Fang Cheng-xiang  
FULL NAME China Center for Type Culture Collection  
INSTI. Wuhan University  
ADDRESS Luo Jia Shan  
Wuhan  
Hubei  
430072

COUNTRY The People's Republic of China

MAIL NUMBERS TEL 812157  
TEX 40170 WCTEL  
E-mail 5678

STATUS governmental

SPONSORS State Education Commission of China, and Patent Office of China

DIRECTOR Associate Professor Tao Tian-shen (Bacteriology)

CURATORS Fang Cheng-xiang (Microbiological genetics)

Zheng Cong-yi (Cell biology)

Yue Ying-yu (Bacteriology)

NUMBER OF STAFFS

Algology (1)  
Bacteriology (3)  
Cell (2)  
Mycology (1)  
Protozoology (1)  
Virology (1)  
Assistants (4)  
Others (2)

COMPUTER SPECIALIST

Lu Yao-xing (Advisor)

MAIN SUBJECTS

Agriculture  
Applied microbiology  
Cell biology  
Culture and preservation methods  
Fermentation  
Freeze drying  
General microbiology  
Genetic engineering  
Immunology  
Industrial microbiology  
Molecular biology  
Systematics and taxonomy

CULTURE HELD

Algae (1)  
Bacteria (625)  
Fungi (152)  
Yeasts (79)  
cDNA (86)  
Plasmids (210)  
Vectors (99)  
Cell lines: animal (26)  
Hybridomas: animal (22)  
Viruses: animal (8)

AVAILABILITY OF CULTURES Viruses: bacteria (2)  
 Free  
 Exchange/Fee  
 CATALOGUE Planning to publish in 1990  
 SERVICES Patent deposits (microorganisms, cell lines, viruses etc.)  
 Storage service (education, research, patent purposes etc.)  
 Distribution (education, research, patent purposes etc.)  
 Ident. Bacteria (Pseudomonas, Streptomyces, Streptoverticillium)  
 Training Management of a culture collection  
 Culture and preservation methods  
 Quality control  
 Genetic engineering  
 Consul. Patent deposits  
 Preservation  
 DATE OF REPLY 9/15/88

REGISTRATION NUMBER 612

ACRONYM CCVCC  
 POSTAL ADDRESS  
 CORRE. Mrs. Yishan Luo  
 FULL NAME China Center For Virus Culture Collection  
 INSTI. Wuhan Institute of Virology, Academia Sinica. Wuhan, PRC  
 ADDRESS Wuchang Xiaohongshan  
 Wuhan  
 Hubei  
 430072  
 COUNTRY The People's Republic of China  
 MAIL NUMBERS TEL 813712-385  
 TEX 7114  
 STATUS governmental  
 DIRECTOR Fulin Sun  
 CURATORS Yishan Luo (Molecular biology)  
 Liqei Zhou (Culture and preservation)  
 Lin Zhao (Culture and preservation)  
 Minhu Yong (Culture and preservation)  
 Weixi Xu (Culture and preservation)  
 NUMBER OF STAFFS  
 Virology (15)  
 MAIN SUBJECTS Agriculture  
 Applied microbiology  
 Biochemistry  
 Culture and preservation methods  
 Freeze drying  
 General microbiology  
 Immunology  
 Molecular biology  
 Systematics and taxonomy  
 CULTURE HELD Viruses: animal (30)  
 Viruses: plant (71)  
 Viruses: bacteria (74)  
 Insect Viruses (95)  
 AVAILABILITY OF CULTURES  
 Exchange/Fee  
 CATALOGUE Publish own catalogue once every 3 years  
 Planning to publish in 1991  
 SERVICES Storage service  
 Ident. Viruses

Training Culture and preservation methods  
Numerical taxonomy and/or probabilistic identification  
Consul. Preservation  
DATE OF REPLY 11/18/88

REGISTRATION NUMBER 613

ACRONYM CGVCC  
POSTAL ADDRESS  
CORRE. Dr.Mr. Sun Fu-Lin  
FULL NAME Centre for General Viruses Culture Collection  
INSTI. Wuhan Institute of Virology Academia Sinica  
ADDRESS Wuhan  
Hubei  
COUNTRY The People's Republic of China  
STATUS governmental  
SPONSORS Academia Sinica  
DIRECTOR Prof. Sun Fu-lin  
CURATORS Prof. Zhao Lin (Animal Viruses)  
Researcher Zou Li-qian (Plant Viruses)  
Researcher Yang Ming-huei (Insect Viruses)  
Prof. Xu Wei-Xi (Bacterial Phage)

NUMBER OF STAFFS  
Bacteriology (1)  
Cell (2)  
Virology (3)  
Assistants (10)  
Others (3)

COMPUTER SPECIALIST

1  
MAIN SUBJECTS Agriculture  
Biochemistry  
Cell biology  
Freeze drying  
Immunology  
Molecular biology  
Virology  
CULTURE HELD Viruses: animal (1)  
Viruses: plant (1)  
Viruses: bacteria (1)  
Insect (1)

AVAILABILITY OF CULTURES Exchange/Fee  
CATALOGUE Publish own catalogue once every 3 years  
DATE OF REPLY 11/ 6/87

REGISTRATION NUMBER 614

ACRONYM CRL  
POSTAL ADDRESS  
CORRE. Dr. Guillermo Oliver  
FULL NAME Centro de Referencia para Lactobacilos  
INSTI. Centro de Rerefencia Para Lactobacilos (CERELA)  
ADDRESS Chacabuco 145  
Tucuman  
4000  
COUNTRY Argentina  
MAIL NUMBERS TEL 54-81-226332  
TEX 61200 ENTEL AR

STATUS semi-governmental  
 DIRECTOR Dr. Guillermo Oliver  
 CURATORS Graciela Savoy de Giori (Microbiologist)  
 Marta Nunez de Kairuz (Microbiologist)  
 NUMBER OF STAFFS  
 MAIN SUBJECTS Bacteriology (6)  
 Applied microbiology  
 Culture and preservation methods  
 Food science  
 Genetic engineering  
 Immunology  
 CULTURE HELD Bacteria (1000)  
 AVAILABILITY OF CULTURES  
 Fee  
 CATALOGUE Planning to publish in 1990  
 SERVICES Storage service (lactic acid bacteria)  
 Distribution (lactic acid bacteria)  
 Ident. Bacteria (lactic acid bacteria)  
 Training Management of a culture collection  
 Culture and preservation methods  
 Quality control  
 Consul. Preservation  
 Propagation  
 DATE OF REPLY 10/11/88

REGISTRATION NUMBER 615

ACRONYM CSL  
 POSTAL ADDRESS  
 CORRE. Mrs. J. Stanley  
 FULL NAME C.S.L. Animal Cell Bank  
 INSTI. Commonwealth Serum Laboratories  
 ADDRESS 45 Poplar Road  
 Parkville  
 Victoria  
 3052  
 COUNTRY Australia  
 MAIL NUMBERS TEL +6133891260  
 TEX AA32789  
 FAX +6133891434  
 STATUS semi-governmental  
 industrial  
 DIRECTOR Mrs. Jean Stanley  
 NUMBER OF STAFFS  
 Cell (2)  
 MAIN SUBJECTS Cell biology  
 Culture and preservation methods  
 CULTURE HELD Cell lines: animal (44)  
 NOT FULLY CHARA (250)  
 AVAILABILITY OF CULTURES  
 Fee  
 CATALOGUE Publish own catalogue once every 3 years  
 Planning to publish in 1989  
 SERVICES Storage service (as ampoules, in liquid nitrogen)  
 Distribution (as living cultures)  
 Ident. Cell lines  
 Training Management of a culture collection  
 Culture and preservation methods  
 Karyotyping



Consul. Preservation  
DATE OF REPLY 11/22/88

REGISTRATION NUMBER 616

ACRONYM EUSL  
POSTAL ADDRESS  
CORRE. Mrs. N. Rabeendran  
INSTI. Eastern University, Vantharumoolai, Chenkalady, Sri Lanka  
ADDRESS Chenkalady  
Eastern Province  
45 POPLAR ROAD  
COUNTRY Sri Lanka  
MAIL NUMBERS TEL 065 2473  
STATUS semi-governmental  
university  
DIRECTOR Mrs. N. Rabeendran  
NUMBER OF STAFFS  
Bacteriology (1)  
Mycology (4)  
COMPUTER SPECIALIST  
5  
MAIN SUBJECTS Agriculture  
Applied microbiology  
Culture and preservation methods  
General microbiology  
Plant pathology  
CULTURE HELD Fungi (5)  
AVAILABILITY OF CULTURES  
Exchange/Fee  
CATALOGUE SERVICES Need help to publish  
Ident. Fungi  
Training Management of a culture collection  
Culture and preservation methods  
Quality control  
Consul. Plant quarantine  
DATE OF REPLY 6/22/89

REGISTRATION NUMBER 617

ACRONYM RRIASR  
POSTAL ADDRESS  
CORRE. Mrs. D. S. T. Warnasuriya  
FULL NAME Fungi affecting the crop Hevea brasiliensis (rubber)  
INSTI. Rubber Research Institute Agalawatta at Matugama  
ADDRESS CISIR  
P. O. Box 787  
Colombo  
COUNTRY Sri Lanka  
MAIL NUMBERS TEL 034 71 426  
TEX 21248 MININD CE attn: CISIR  
STATUS semi-governmental  
DIRECTOR Dr. A. de S. Liyanage  
CURATORS Mr. C.K. Jayasinghe (Asst:Pathologist)  
Dr. Mr. N.I.S. Liyanage (Pathologist)  
NUMBER OF STAFFS  
Mycology (2)  
Assistants (5)

**MAIN SUBJECTS** Applied microbiology  
 Biochemistry  
 Culture and preservation methods  
 Ecology  
 Forest microbiology  
 General microbiology  
 Plant pathology  
 Systematics and taxonomy  
**CULTURE HELD** Fungi (5)  
**AVAILABILITY OF CULTURES**  
 Exchange  
**CATALOGUE SERVICES** No intention to publish  
 Storage service  
 Ident. Fungi  
 Training Management of a culture collection  
 Culture and preservation methods  
 Numerical taxonomy and/or probabilistic identification  
**DATE OF REPLY** 9/19/89

**REGISTRATION NUMBER 618**

**ACRONYM** PD  
**FULL NAME** Culture Collection of Plant Pathogenic Bacteria, Department  
 of Bacteriology, Plant Protection Service (PD)  
**INSTI.** Ministry of Agriculture and Fisheries  
**ADDRESS** 15  
 Geertjesweg  
 EA Wageningen  
 6708  
**COUNTRY** Netherlands  
**SPONSORS** Ir. J.D. Janse  
**DIRECTOR** Ir. J.D. Janse  
**MAIN SUBJECTS** Agriculture  
 Plant pathology  
**CULTURE HELD** Bacteria (1200)  
**AVAILABILITY OF CULTURES**  
 Free  
**CATALOGUE SERVICES** Planning to publish in 1989  
 Ident. Bacteria (plant pathogenic bacteria)  
**OTHER SERVICES** institutional reference  
**DATE OF REPLY** 10/ 1/89

**REGISTRATION NUMBER 619**

**ACRONYM** UJB  
**POSTAL ADDRESS**  
**CORRE.** K. Theivendirarajah  
**FULL NAME** University of Jaffna, Botany  
**INSTI.** University of Jaffna, Sri Lanka  
**ADDRESS** Department of Botany  
 Jaffna  
  
**COUNTRY** Sri Lanka  
**MAIL NUMBERS** TEL 025283  
 FAX 025283  
**STATUS** university  
**DIRECTOR** Prof. K. Theivendirarajah  
**CURATORS** Mrs. N. Saverimuthu (Plant pathology)

Mrs. A. P. Arudchandran (microbiology)

NUMBER OF STAFFS  
 Algology (1)  
 Bacteriology (2)  
 Mycology (1)  
 Virology (1)  
 Assistants (1)

MAIN SUBJECTS  
 Applied microbiology  
 Biochemistry  
 Cell biology  
 Culture and preservation methods  
 Ecology  
 Fermentation  
 General microbiology  
 Genetic engineering  
 Genetics  
 Horticulture  
 Industrial microbiology  
 Marine biology  
 Molecular biology  
 Physiology  
 Plant pathology  
 Systematics and taxonomy  
 Tissue Culture

CULTURE HELD  
 Algae (5)  
 Bacteria (25)  
 Fungi (42)  
 Yeasts (10)  
 Plasmids (8)  
 Viruses: plant (4)

AVAILABILITY OF CULTURES  
 Free  
 Exchange

CATALOGUE  
 Planning to publish in 1990

SERVICES  
 Storage service  
 Distribution

Ident.  
 Algae  
 Bacteria  
 Fungi  
 Yeasts

DATE OF REPLY 11/ 1/89

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IAM	190	NHL	67
IFM	60	NIAS	243
IFO	191	NIES	591
IID	208	RIMD	301

**Jordan**

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### Malaysia

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UKKP 43

### Mexico

CDBB 500 INIF 104  
CFQ 100 ITD 99  
CISM 95 PFAC 121  
ENCB 449 UNAM 48  
FLACC 584

### Netherlands

CBS 133 LMD 127  
ITH 196 PD 618  
LMAU 381 RIPO 516

### New Zealand

DBVU 312 NZRP <NZRCC 335  
ICMP 589 PDDPN <PDD 92  
NZFS 62 PDDCC 52  
NZRD <NZRDS 318 SAMCC 322  
NZRM <NHI 457 WARC 376

### Nigeria

IITA 484 VRLI 398

### Norway

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### Papua New Guinea

NGR 356

### Philippines

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**Republic of China**

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**Rumania**

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**Senegal**

CRORA <IPD	81	MAO	53
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**Singapore**

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**South Africa**

PPRI	351	SARC	600
SAMCC	322		

**Spain**

CCMCU	559	CECT	412
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**Sri Lanka**

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**Sweden**

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### Switzerland

CCTM <ICIDTC 475

### Thailand

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GLMI	202	PHBL	508
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JII	507	SMBA	522
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NRL	350	WCUM	56

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CALU	461	VKM	342
IPPAS	596	VKPM	588
LTI <LIA	554		

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Yugoslavia

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Zimbabwe

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ISSN 0915-6682