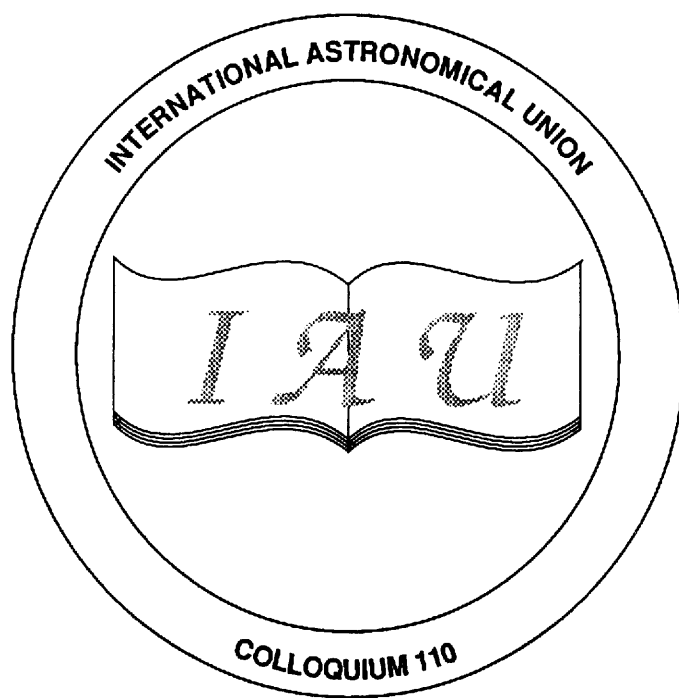


# International Astronomical Union

## Colloquium 110

Library and Information Services in Astronomy

### PROGRAM



July 27 - August 1, 1988

Washington, D.C.

Organized by  
U.S. Naval Observatory

INTERNATIONAL ASTRONOMICAL UNION COLLOQUIUM 110

LIBRARY AND INFORMATION SERVICES IN ASTRONOMY

THIS COLLOQUIUM WAS ORGANIZED BY THE

U. S. NAVAL OBSERVATORY

WITH THE ASSISTANCE OF THE

NASA/GODDARD SPACE FLIGHT CENTER

AND THE

LIBRARY OF CONGRESS

SCIENTIFIC ORGANIZING COMMITTEE

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- V. ALLADI, INDIAN INSTITUTE OF ASTROPHYSICS (INDIA)
- M. VARGHA, KONKOLY OBSERVATORY (HUNGARY)

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INTERNATIONAL ASTRONOMICAL UNION COLLOQUIUM 110  
LIBRARY AND INFORMATION SERVICES IN ASTRONOMY

*Wednesday, July 27*

1830-2230 Registration at the U.S. Naval Observatory. Reception and tour of the Naval Observatory.

*Thursday, July 28*

0900-noon SESSION 1. PUBLICATION AND ACQUISITION OF BOOKS AND JOURNALS  
Chair: George Wilkins (Chairman of Scientific Organizing Committee)

0900 Welcome and introductory remarks  
Gart Westerhout (USNO)  
George Wilkins (RGO)

0910 Keynote address: The future of astronomical literature  
Helmut Abt (Editor, Astrophysical Journal)

0945 Views of the publishers  
Gert Kiers (Kluwer) and Peter Boyce (AAS) will speak on the economics and pricing of astronomy books and journals.

1030 Break

1100 Problems of international acquisitions  
Moderator: Helen Knudsen (Caltech); Olga Dluzhnevskaya (Astronomical Council, USSR Academy of Sciences), Lui Jinming (Shanghai Obs.), Jack Weigel (Univ. of Michigan), Selma de Guerra (Observ. Astron. de Cordoba) — A panel discussion on the free (and not so free) flow of publications across political boundaries and what problems and solutions there are.

1145 General discussion

noon Lunch in the hotel

1330-1730 SESSION 2. SEARCHING FOR ASTRONOMICAL INFORMATION  
Chair: Suzanne Laloe (Inst. d'Astrophys.)

1335 Words for Searching  
Indexing terms: Lutz Schmadel (Astron. Rechen Institut)  
Classification: Vagiswari Alladi (Indian Inst. of Astrophys.), George Wilkins (RGO)

1415 IAU Thesaurus  
An overview and summation of the IAU thesaurus project will be given by the project's director, Robyn Shobbrook (AAO)

- 1445            General discussion
- 1500            Break
- 1530            Facilities for searching  
Indexing and abstracting services  
Helen Knudsen (Olivetree Associates), Lutz Schmadel (AAA),  
D. Lubowich (AIP) — representatives from one indexing and two abstract-  
ing services — will discuss their products.
- 1600            Online bibliographic databases  
Joyce Rey-Watson (CfA) will discuss commercial databases,  
Wolfgang Lück (FIZ/AAA) will discuss the availability of A & A Abstracts  
in the FIZ database, and Mike Collins (INSPEC) will talk about Physics  
Abstracts.
- 1630            Getting the Documents  
Union Lists of Astronomy Serials  
Judy Bausch (Yerkes Obs.) and Angus MacDonald (ROE) will review the  
US and UK union lists of astronomical serials.
- 1650            Use of computer networks and electronic mail  
Chris Benn (RGO) and Guido Russo (ESO) will discuss computer networks  
and the electronic mail directory for astronomy.
- 1710-1730        General discussion
- Evening            Small group meetings on specialist topics  
Support of remote observatories: Ellen Bouton (NRAO), Maria Gomez  
(ESO-Chile)  
IAU Thesaurus: Roybn Shobbrook (AAO)  
Revision of UDC52: George Wilkins (RGO)  
Electronic mail: Chris Benn (RGO)  
On-line retrieval demonstrations: Wayne Warren (ADC/NSSDC/GSFC),  
Joyce Rey-Watson (CfA)

*Friday, July 29*

- 0830-noon        SESSION 3. HANDLING AND USE OF SPECIAL FORMAT MATERI-  
ALS  
Chair: Carol Hutchins (Indiana Univ.)
- 0830            Preprints and reprints  
Ellen Bouton (NRAO), A. Ratnakar (Raman Research Inst.), Maria  
Gomez (ESO-Chile), Sarah Stevens-Rayburn (ST ScI) will give talks on  
various ways of dealing with preprints and reprints, including production  
and distribution of semi-formal lists and the problems such materials can  
create for librarians.

- 0930 Non-printed materials (e.g., microfiche, magnetic tape)  
Carlos Jaschek (CDS), Cathy Van Atta (NOAO), Maria Gomez (ESO-Chile) present short papers on acquisition, storage, and use of non-traditionally formatted materials.
- 1000 Break
- 1030 Observatory publications (e. g., reports, newsletters)  
Marlene Cummins (Univ. of Toronto), moderator, Joan Gantz (Carnegie Inst. of Washington), and Anne Fishburn (MPI f. Astrophys.) will give short talks to start off a round table discussion covering such questions as: definition, classification and arrangement, access (including the question of cataloging and analytics for observatory publications), storage and retention times (especially for ephemera like time allocation sheets, newsletters, ephemerides, and so on). Any other topics that the audience would like to address will also be covered, e. g.; loans, translations, whether librarians ought to handle production and/or distribution of observatory materials.
- 1145 General discussion
- noon-1700 **SESSION 4. VISIT TO THE LIBRARY OF CONGRESS**  
Chair: Ruth Freitag (Science and Technology Division, LC)  
Lunch in the cafeteria in the Madison Building
- 1350 Introductory tour (meet in lobby of Madison Building)
- 1530 Description of Science and Technology Division by John F. Price (Assistant Chief, Science and Technology Division) and of the optical disk pilot project by Joseph W. Price (Chief, Science and Technology Division)
- 1630 Free time to visit reading rooms
- 1700-1830 Reception at the Library of Congress
- 1845 Buses return to the hotel and Catholic University

*Saturday, July 30*

- 0830-1000 **SESSION 5. CONSERVATION OF HISTORICAL MATERIALS**  
Chair: Brenda Corbin (USNO)
- 0830 Conservation from the perspective of the Library of Congress  
Mark Roosa (National Preservation Office, LC)

- 0915 Conservation from the perspective of the astronomy librarian  
Janet Dudley (Royal Signals and Radar Estab.) and Magda Varga (Konkoly Obs.)
- 0945 General discussion
- 1000 Break
- 1030 **SESSION 6. OTHER LIBRARY ACTIVITIES**  
Chair: Jack Weigel (Univ. of Michigan)
- 1030 **Library administration: Role of astronomers**  
William Buscombe (Dearborn Obs.), Marek Krosniak (Astronomical Observatory of Jagiellonian Obs.), Marek Wolf (Charles Univ., Prague) will be members of a panel discussing the problems of astronomers who have either direct responsibility for libraries or reading rooms, or administrative responsibility for astronomy libraries.
- 1100 **Use of computers**  
Edith Sachtschal (ESO) and Sarah Stevens-Rayburn (ST ScI) will give brief papers on the use of computers in libraries for cataloging, word processing, and so on.
- 1130 **Archiving of correspondence and unpublished documents**  
Janet Dudley (Royal Signals and Radar Estab.), Suzanne Debarbat (Obs. de Paris), and Anne-Marie Motais de Narbonne (Obs. de Paris) are to discuss this topic including the problem of how to know what to keep.
- noon Picnic lunch at the U.S. Naval Observatory
- 1400 **Support of remote observatories**  
Ellen Bouton (NRAO) and Maria Gomez (ESO-Chile) will present a summary of the evening discussion of the care and feeding of astronomy libraries from afar.
- 1420 **Resource sharing and cooperative activities**  
Moderator: Ethleen Lastovica (SAAO); Magda Vargha (Konkoly Obs.), Jenny Davies (CSIRO Div. of Radiophysics), Barbara Gertner (Inst. of Astronomy, N. Copernicus Univ.), and Anne-Marie Motais de Narbonne (Obs. de Paris) will be the speakers discussing exchange of lists (e.g., search, duplicate, acquisitions, etc.) and other resource sharing, with a focus on future cooperation, both regional and international.
- 1510 General discussion
- 1530 Break
- 1600-1730 **SESSION 7. REVIEW AND FORWARD LOOK**  
Chair: Gart Westerhout (USNO)

- 1600 Documentation and data: the role of Commission 5  
George Wilkins (RGO)
- 1612 Dissemination and retrieval of information  
Suzanne Laloe (Inst. d'Astrophys.)
- 1624 Management of astronomical peculiarities  
Carol Hutchins (Indiana Univ.)
- 1636 Maintaining the historical record  
Brenda Corbin (USNO)
- 1648 Organization of activities  
Jack Weigel (Univ. of Michigan)
- 1700 A look at the future of astronomical libraries  
Pat Molholt (Associate Dir. of Libraries, Rensselaer Polytechnic Univ.)
- Evening Colloquium dinner at the hotel  
Cocktails 1900; Dinner 2000

*Sunday, July 31*

*Free day for sightseeing in Washington and informal discussions*

*Monday, August 1*

Sessions at Goddard Space Flight Center

- 0930-noon SESSION 8. ASTRONOMICAL DATA CENTERS  
Chair: Wayne Warren (ADC/NSSDC/GSFC)
- 0930 Coffee and donuts
- 0950 Welcome  
Frank B. McDonald (Associate Director and Chief Scientist, GSFC)
- 1000 Surveys of principal sources and centers  
James L. Green (Director, NSSDC) and Carlos Jaschek (Director, CDS) will describe what is available from their respective data centers and how librarians may access them.
- 1040 Archiving of current observational data  
Chris Benn (RGO), Francois Ochsenbein (ESO)
- 1120 Access arrangements and retrieval techniques  
Valerie L. Thomas (NSSDC), Pascal Dubois (CDS), and Barry E. Jacobs (NSSDC) will give short presentations on SPAN, SIMBAD, and DAVID and what they mean to and for libraries.
- 1230 Lunch in the Goddard cafeteria

- 1345           SESSION 9. GROUP TOURS OF GODDARD SPACE FLIGHT CENTER  
                  Chair: Jaylee Mead (GSFC)
- Data Center  
                  Library  
                  Other facilities
- 1530           Travel to Baltimore for IAU General Assembly or return to Washington.

Note: Attendance at the IAU General Assembly (including the meetings of IAU Commission 5, which will take place at various times during the period of Assembly) is normally open only to registered members and invited participants. Participants in the Colloquium who are not able to attend the whole Assembly will be able to attend the Joint discussion on "Documentation, Data Services and Astronomers" that will be held on August 3 provided that they have applied in advance as per the instructions in the third mailing.

*Tuesday, August 2*

Afternoon       IAU XXth General Assembly: Inaugural Ceremony and Opening General Assembly

*Wednesday, August 3*

Joint discussion on Documentation, Data Services and Astronomers.



## POSTER PAPERS

M. BARYLAK, W. WAMSTEKER, C. DRIESSEN, J. R. MUNOZ, A. TALAVERA  
THE ON-LINE IUE UNIFORM LOW DISPERSION ARCHIVE

ZULEIKA BERTO  
ASTROPHYSICS RESEARCH AT THE FEDERAL UNIVERSITY OF RIO GRANDE DO  
SUL: WHO QUOTES IT IN THE WORLD

HUANG BI-KUN  
COLLECTION DEVELOPMENT AT PURPLE MOUNTAIN OBSERVATORY: SEEKING  
EXCHANGES OF FOREIGN ASTRONOMY SERIALS

MIKE COLLINS  
A NEW DIMENSION TO RETRIEVAL

PAUL-HENRI DALE  
FOR A BETTER COOPERATION BETWEEN LIBRARIES OF ASTRONOMICAL OB-  
SERVATORIES: A PROPOSAL OF THE LIBRARY OF THE ROYAL OBSERVATORY  
OF BELGIUM

PASCAL DUBOIS  
SIMBAD BIBLIOGRAPHY AND OTHER ASTRONOMICAL BIBLIOGRAPHIES

LI DE-HE  
THE COMPUTER SYSTEM OF INFORMATION RETRIEVAL AND MANAGEMENT  
OF THE CHINESE SHAANXI ASTRONOMICAL OBSERVATORY

BARBARA GERTNER  
PROBLEMS OF INTERNATIONAL ACQUISITIONS IN OUR LIBRARY

ANDRE HECK  
ASTRONOMICAL DIRECTORIES

MOHAMMAD ILYAS  
ASTRONOMICAL JOURNALS: CONSIDERATIONS FOR FINANCIAL AND BIBLIO-  
GRAPHIC CONSISTENCY

LIU JINMING  
THE ASTRONOMICAL PUBLICATIONS IN CHINA

ETHLEEN LASTOVICA  
SOUTH AFRICAN ASTRONOMICAL OBSERVATORY LIBRARY AND ACTIVITIES  
and A RECENT ACQUISITION RELATING TO THE SOLAR ECLIPSE EXPEDITION  
TO THE CAROLINE ISLANDS

DONALD A. LUBOWICH  
THE PHYSICS AND ASTRONOMY CLASSIFICATION SCHEME, 1988 (AMERICAN  
INSTITUTE OF PHYSICS)

CHENG LIAN-QING  
SELECTIVE DISSEMINATION OF INFORMATION USING AN IBM COMPUTER

JANET AKYUZ MATTEI  
THE AAVSO VARIABLE STAR DATA BANK

ALICE LEFLER PRIMACK  
IDENTIFYING ACADEMIC PHYSICAL SCIENCE RESEARCH IN PROGRESS

ZHOU SHU QUN  
TRIENNIAL REPORT ON OPEN CLUSTER RESEARCH (1984-1986)

CAROL RHODES, MICHAEL KURTZ, JOYCE REY-WATSON  
THE SMITHSONIAN ASTRONOMICAL SOFTWARE DOCUMENTATION COLLEC-  
TION PROJECT

ROBYN SHOBBROOK  
CONVERSION OF THE AAO LIBRARY CARD CATALOGUE USING PC SOFTWARE

MAGDA VARGHA  
EXCHANGE OF INFORMATION BETWEEN ASTRONOMERS FROM THE EARLY  
AGES UNTIL NOW

MARIE-JOSE VIN AND ANNE-MARIE DE NARBONNE  
PART DE LA PHYSIQUE ET DES MATHEMATIQUES DANS LES ACQUISITIONS DES  
BIBLIOTHEQUES FRANCAISES SPECIALISEES EN ASTRONOMIE

MARIE-JOSE VIN  
ASTRONOMICAL LIBRARIES AND ASTRONOMER'S WORK IN 20 YEARS

WAYNE H. WARREN, JR.  
LIBRARY COLLECTIONS OF MACHINE-READABLE ASTRONOMICAL CATALOGS

ZHOU YUNFEN  
LIBRARY AND INFORMATION SERVICES IN CHINESE ASTRONOMY

## DORMITORY HOUSING FUND CONTRIBUTIONS

A housing fund was established in order that we might offer housing to those participants who might not otherwise be able to attend. Individual members of the Physics-Astronomy-Mathematics Division of Special Libraries Association contributed to this fund as well as astronomical institutions. We are especially grateful to a publisher who wishes to remain anonymous who very generously matched all personal contributions to this fund.

### P-A-M MEMBERS

Anonymous  
Brenda Corbin  
Karen Croneis  
Marlene Cummins  
Richard Funkhouser  
Joan Gantz  
Helen Knudsen  
Marion Kreiter  
Dorothy McGarry  
Joyce Rey-Watson  
Robyn Shobbrook  
Sarah Stevens-Rayburn  
Cathy Van Atta

### ASTRONOMICAL INSTITUTIONS

Association of Universities for  
Research in Astronomy, Inc.  
National Radio Astronomy Observatory  
Space Telescope Science Institute  
University of Toronto, Department  
of Astronomy

## CONTRIBUTIONS FROM PUBLISHERS AND OTHER ORGANIZATIONS FOR GENERAL CONFERENCE EXPENSES

We wish to express our appreciation to the following publishers and organizations who made contributions which could be used for general conference expenses.

Association of Universities for Research in Astronomy, Inc.  
Cambridge University Press  
EBSCO Subscription Services  
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INSPEC  
Kluwer Academic Publishers  
Olivetree Associates  
Pergamon Press  
SPIE—The International Society for Optical Engineering  
Springer-Verlag

## HOSPITALITY SUITE SPONSOR - KLUWER ACADEMIC PUBLISHERS

We are especially grateful to Kluwer Academic Publishers for sponsoring our hospitality suite during the conference. A hospitality suite is a real asset as participants can continue discussions in an informal manner, or just relax. Thanks also go to Bruce Pelz (Univ. of Calif., Los Angeles and Chair-elect, Physics-Astronomy-Mathematics Division, Special Libraries Association) who is acting as host in the hospitality suite.

### **SPECIAL LIBRARIES ASSOCIATION - A SPECIAL THANK YOU**

The Special Libraries Association (SLA), parent organization of the Physics-Astronomy-Mathematics Division (P-A-M), made a very generous contribution to the conference. SLA clearly recognizes the importance of an international exchange of information and supported the P-A-M Division in its efforts to help organize this meeting. Most of the participants from the United States are members of SLA.

### **INTERNATIONAL ASTRONOMICAL UNION - THANKS FOR TRAVEL GRANTS**

The International Astronomical Union provided funds for travel grants which made it possible for 5 people to attend this conference who otherwise would not have been able to attend. We appreciate the support of the IAU not only in providing the travel grants, but also in supporting this very important meeting by making it an official IAU Colloquium.