INFORMATION BULLETIN No. 80

June 1997

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EDITORIAL

Among other information this IB contains a short version of the triennial report of the IAU Executive Committee for the years 1994-1997 and the proposed IAU budget for the years 1998-2000. This proposed budget has been sent in November 1996 to all IAU Adhering Organisations for discussion and approval at the XXIIIr General Assembly in Kyoto.

As this is the last IB appearing before the Kyoto General Assembly, it also contains some additional information on the General Assembly.

Thanks to generous subventions by the European Space Agency, the European Southern Observatory and the US National Aeronautical and Space Administration the IAU was able to provide more than 280 travel grants for active participants and young astronomers planning to attend the Kyoto General Assembly and the attached Symposia. Additional 160 travel grants have been provided by the Local Organising Committee of the Kyoto Meeting. On behalf of the IAU I would like to express our sincere thanks to all these organisations for this highly valuable support of our work.

Finally, I am particularly pleased to report that thanks to the kind cooperation of the Symposia and Joint Discussion Scientific Organising Committees and the efficient work of the Kyoto Local Organising Committee and our Paris office the preparations for the Kyoto General Assembly continue progressing very smoothly.

I am looking forward to seeing you there in August.

Immo Appenzeller, General Secretary
May 16, 1997
1.1.2. AGENDA OF THE OPENING AND CLOSING SESSIONS

Main Hall

GENERAL ASSEMBLY AGENDA

First Session: Wednesday afternoon, August 20, 1997

1. Formal Opening by the President
2. Appointment of Official Interpreters
4. Report by the President on the Work of the Special Nominating Committee
5. Official Representatives of Adhering Organisations & Representatives to serve on the Nominating Committee
6. Names of Acting Presidents of Commissions
7. Appointment of the Finance Committee
8. Vote on the changes of the Statutes and Bye Laws
9. Resolutions submitted by Adhering Organisations
10. Resolutions submitted by Commissions or Associated Inter-Union Commissions

Second Session: Wednesday afternoon, August 27, 1997

11. Financial matters
   Report of the Finance Committee
   Vote on proposed budget for 1998-2000
12. Nomination of Commission Presidents & Vice-Presidents
13. Resolutions submitted by the Executive Committee
14. Resolutions proposed by the Resolution Committee
15. Resolutions proposed by the Commissions
17. Appointment of the Special Nominating Committee 1997-2000 (SNC)
18. Application for IAU Membership
19. Nomination of New Members of the Union
20. IAU Representatives to other ICSU & International Institutions (1997-2000)
21. Place and Date of the XXIVth General Assembly
22. Election to the Union of a President, a President-elect, six Vice-Presidents, a General Secretary and an Assistant General Secretary

1.1.3. ADMINISTRATIVE SESSIONS

AGENDA OF THE MEETINGS OF THE NATIONAL REPRESENTATIVES

Monday August 18 & Monday August 25, 1997, 9:00 - 10:00

Room K

1. Welcome
2. Membership -Adhering Organisations Represented
3. Voting Procedure
4. Duties of the National Representatives
5. Category of Adherence
7. Residual Budget 1997
10. Revision of Bye-Law 24
11. AOB

NOMINATING COMMITTEE AGENDA

Monday August 18 & Monday August 25, 1997, 10:00 - 11:00

Room K

1. Welcome
2. Membership - Adhering Organisations Represented
3. Duties of Nominating Committee
4. To receive and consider list of New Members proposed by Adhering Organisations
5. To receive and consider list of New Members proposed by Executive Committee, Presidents of Commission, etc.
6. To produce a finalised single list of New Members of the Union 1997-2000 from a list of 12 selected by Presidents of Divisions
7. Vote for four members of the Special Nominating Committee
8. AOB

FINANCE COMMITTEE AGENDA

Monday August 18 & Monday August 25, 1997, 11:00 - 12:00

Room K

1. Welcome
2. Membership - Adhering Organisations Represented
3. Duties of the Finance Committee:
   a. to examine the Accounts 1994-1996
   b. to examine the Residual Budget 1997
   c. to consider the Unit of Contribution 1998-2000
   d. to consider the Budget 1997-2000
4. Appointment of the Finance Sub-Committee
5. Category of Adherence by Adhering Organisations
6. Default on Dues
7. Report of the Finance Committee
8. AOB

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1.1.4. SCIENTIFIC PROGRAMME: CALENDAR OF EVENTS

see IB 78

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1.1.5. LAST ANNOUNCEMENT FROM THE LOC

ERRATUM ON ADVISORY BOARD

Kenji Akabane, Prof. Emeritus, belongs to University of Tokyo
ADDITIONAL MEMBERS OF LOCAL ORGANIZING COMMITTEE

(LOC)
Naoteru Gouda (Osaka University)  Masaaki Sakagami (Kyoto University)
Ryuko Hirata (Kyoto University)  Hajime Sugai (Kyoto University)
Taichi Kato (Kyoto University)  Hatsue Toya-Suzuki (NAO)

(NAO: National Astronomical Observatory)

STATUS OF EARLY REGISTRATION

We have already received 1,150 registrations by 30 April 1997. The expected final number of registered attendants is about 1,600.

INFORMATION ON THE GENERAL ASSEMBLY

WWW

We provide the latest information by way of the World-Wide Web (WWW) which is frequently up-dated through the Astronomical Society of Japan. The URL of our page is:

http://www.tenmon.or.jp/iau97/

>From this page, you can also visit other servers providing useful information about Kyoto and Japan.

The additional items to be found on the WWW are:

- Banking Information
- Train Timetables
- Low Price Accommodations' Information
- Link to WWW of Hotels which you can book through JTB
- Photographic Images of Transportation

E-MAIL INFORMATION SERVICE

We provide the latest information also by E-mails. Information is itemized as General Information, Registration, Accommodation, Forms, LaTeX Template, etc. Each item is automatically sent back to anyone who sent an E-mail with a specific digit code in its Subject field to the following address:

iau97-info@tenmon.or.jp

No mail body is necessary. The detailed usage of this service is obtained by sending any (blank) E-mail with "help" in its Subject field. The released information is frequently up-dated.

As of April 9, 1997, the latest information can be obtained by sending messages whose Subject-field has one of the following request numbers:

<table>
<thead>
<tr>
<th>Request Number/Contents Updated Date</th>
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</thead>
<tbody>
<tr>
<td>11 Travel Jan 13, 1997</td>
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<tr>
<td>12 Registration Feb 18, 1997</td>
</tr>
<tr>
<td>13 Reservations for Hotel Accommodation, Social &amp; Cultural Events, &amp; Tours Jan 13, 1997</td>
</tr>
<tr>
<td>14 How to Reduce Your Expenses Jan 13, 1997</td>
</tr>
<tr>
<td>15 General Information on Facilities Jan 13, 1997</td>
</tr>
<tr>
<td>161 Registration Form (sent by e-mail) Nov 25, 1996</td>
</tr>
<tr>
<td>162 Registration Form (sent by postal mail or facsimile) Jan 13, 1997</td>
</tr>
</tbody>
</table>
Additional Information

181 Banking Information Apr 8, 1997
182 Low Price Accommodations Apr 10, 1997

Scientific Presentations

21 Scientific Presentations Jan 13, 1997

Scientific Programme

32 Overview in IB78 Oct 13, 1996
33 Individual Programmes: Symposia Oct 13, 1996
34 Individual Programmes: Joint Discussions (1-8) Oct 13, 1996
37 Individual Programmes: Special Sessions Oct 13, 1996

VISAS

As of May 1997, no visa is required for short-stay visitors to Japan from 2 more countries other than those listed in the Information Bulletin 79: Andorra (90 days), The former Yugoslav Republic of Macedonia (3 months).

Those from other countries and regions are requested to contact the nearest Consular Office or Embassy of Japan AS SOON AS POSSIBLE. The Local Organizing Committee will make any possible efforts to assist participants in obtaining visas when necessary. In some cases, documents prepared by the LOC will be required by the Consular Offices in visa applications. Note that the documents from the LOC only prove the purpose of your visit to Japan and do not guarantee any financial support.

If you need assistance, please contact the LOC by providing the following information:

1. full name and home address,
2. date and place of birth,
3. citizenship,
4. affiliation and office address,
5. date of issue and passport number of the visa applicant,
6. date and place (and preferably number) of visa application,
7. trip schedule,
8. facsimile number and/or E-mail address

HOW TO GET TO THE VENUE OF THE GENERAL ASSEMBLY: MINIMAL INFORMATION

The XXIIIrd General Assembly of the IAU is to be held in "Kyoto Kokusai Kaikan" [pronounce as Kyo-o-to Kokusa-i Ka-i-kan in Japanese], i.e. the Kyoto International Conference Hall (KICH) whose address is Takaraga-ike, Sakyo-ku, Kyoto. The easiest ways to reach this venue from Kyoto (Kansai) and Tokyo (Narita) international airports are indicated below. Please check Information Bulletin 79 for details.

Kansai International Airport (KIX), close to Kyoto

From KIX JR Station to Kyoto Station

We strongly recommend you to take the limited express "Haruka" train for Kyoto. Seats must be booked when buying the ticket from the Kansai-kuko [Kansa-i-ku-u-ko-o] station. The fare, including the supplemental charge, is 3690 Yen. It takes 75 minutes from the JR (NOT NANKAI) station in Kansai International Airport to Kyoto station. As of May 1997, the service hours
of "Haruka" trains from/to the airport are as follows:

**Express "Haruka" trains**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Service Hours</th>
<th>Typical Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIX Kyoto Station</td>
<td>6:29 - 22:18</td>
<td>30 min (Monday-Friday)</td>
<td></td>
</tr>
<tr>
<td>KIX Kyoto Station</td>
<td>6:41 - 22:18</td>
<td>30 min (Sunday, Saturday)</td>
<td></td>
</tr>
<tr>
<td>Kyoto Station</td>
<td>KIX</td>
<td>5:31 - 20:16</td>
<td>30 min (any week day)</td>
</tr>
</tbody>
</table>

Subway from Kyoto station to Kokusai-kaikan [Koku-sa-i-ka-i-kan] station

Take Kyoto subway which is the one and only subway line in Kyoto at Kyoto station to its Kokusai-kaikan station terminus ("Kokusai-kaikan" meaning "International conference hall"). The station is just in front of the Kyoto International Conference Hall. The service hours are 5:30 to 23:45 and the frequency of the subway trains is four to seven minutes. The fare between Kyoto station and Kokusai-kaikan station is about 260 Yen.

**New Tokyo International Airport: Narita (NRT), close to Tokyo**

From NRT (JR) Station to Tokyo Station

From Narita-kuko [Narita-ku-u-ko-o] station (JR) in New Tokyo International Airport, we strongly recommend you to take any of the "Narita express" trains to Shinjuku, Yokohama, Ikebukuro, or Ofuna (all these trains are through Tokyo station). Seats must be booked when buying the ticket at any JR (NOT KEISEI) desk in Narita-kuko station. The fare from NRT to Tokyo station, including the supplemental charge, is 3140 Yen and it takes 60 minutes to Tokyo station. As of May 1997, the service hours of "Narita express" trains from/to the airport are as follows:

"Narita Express" trains

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Service Hours</th>
<th>Typical Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRT</td>
<td>Tokyo station</td>
<td>7:43 - 21:42</td>
<td>30 or 60 min</td>
</tr>
<tr>
<td>Tokyo station</td>
<td>NRT</td>
<td>6:30 - 20:03</td>
<td>30 or 60 min</td>
</tr>
</tbody>
</table>

Train from Tokyo Station to Kyoto Station

"Shinkansen", i.e. high speed trains, also called bullets, are available there. The fares of the "Nozomi" (fastest trains of Shinkansen) or "Hikari" (slightly slower and cheaper than "Nozomi") from Tokyo to Kyoto, including the supplemental charges, are 14,390 Yen and 13,420 Yen, respectively for a journey of 140 or 180 minutes. Seats must be booked when buying the ticket at any JR stations, say Tokyo station, and Narita-kuko JR station at NRT before getting on the "Nozomi", whereas booking is not obligatory although recommended for "Hikari". As of May 1997, the service hours of "Shinkansen" between Tokyo and Kyoto are as follows:

"Shinkansen" ("Nozomi" or "Hikari" trains)

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Service Hours</th>
<th>Typical Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tokyo Station</td>
<td>Kyoto Station</td>
<td>6:07 - 21:18</td>
<td>8 trains an hour</td>
</tr>
<tr>
<td>Kyoto Station</td>
<td>Tokyo Station</td>
<td>6:17 - 21:34</td>
<td>8 trains an hour</td>
</tr>
</tbody>
</table>

Subway from Kyoto station to Kokusai-kaikan [Koku-sa-i-ka-i-kan] station

See page 13.
By sea

Some regular ship services are available to Japan from Russia, China, and Korea.

Port (Country) Port in Japan

Vladivostok (Russia) Niigata, Fushiki
Shanghai (China) Osaka, Kobe, Nagasaki
Tsingtao (China) Shimonoseki
Tientsin (China) Kobe
Pusan (Korea) Hakata, Shimonoseki

Please check Information Bulletin 79 p. [27], Figure 2: Connection map to/from Seaports.

UPDATED INFORMATION

Consumer’s tax

Since April 1997 the consumer’s tax in Japan (Sho-o-hize-i) is 5 % instead of 3 %.

Some fare and fee may be updated, compared to those shown in the Information Bulletin 79.

Social & Cultural Events

Welcome Brass Concert [Wednesday August 20, evening] Free of charge

The brass concert, previously proposed, will be replaced by other amusement, although the time allocation is the same.

LOW PRICE ACCOMMODATIONS (errata about contact address)

Buddhist temple lodging: Shukubo-o

For Shukubo-o please contact them directly. As we know the following three Shukubo-o’s will accept.

Name Facsimile Postal Address

Gesshin-in 81 75 561 8088 Yasaka-toriimae, Simogawara-dori, Higashiyama-ku, Kyoto

Kosho-kaikan 81 75 343 2124 Horikawa-dori-shichijo-nishikitakado, Shimogyo-ku, Kyoto

Myorenji Temple 81 75 451 3597 Teranouchi, Omiya-higashi-iru, Kamigyo-ku, Kyoto

SYSTEMATIC NAME OF PLACE IN KYOTO CITY
COORDINATE IN KYOTO

The location names of Kyoto city are unique and systematic. Most of them are named after a sort of Cartesian coordinates. The crossing point of the street A and B is called A-B or B-A. For example the crossing point of Shijo-Dori and Karasuma-Dori is Shijo-Karasuma (Dori means street in Japanese). By this systematic naming you can easily find where you are or where your destination is.
However, please also note that some crossing points are not called following this rule, such as Hyakumanben and Enmachi, etc.

1.2. XXIVTH GENERAL ASSEMBLY

See IB 79 p. 2

2. EXECUTIVE COMMITTEE

2.1. DATES OF THE 69TH AND 70TH MEETINGS OF THE IAU EXECUTIVE COMMITTEE

The 69th and 70th Meetings of the IAU Executive Committee will take place in connection with the XXIIId IAU General Assembly in August 1997 in Kyoto, Japan.

2.2. REPORT OF THE EXECUTIVE COMMITTEE 1994-1997

The present report covers the period between the conclusion of the XXIInd General Assembly and the XXIIIrd General Assembly.

Composition of the Executive Committee 1994-1997

L. Woltjer President
R.P. Kraft President-Elect
I. Appenzeller General Secretary
J. Andersen Assistant General Secretary
C.A. Anguita Vice-President
B. Hidayat Vice-President
D.S. Mathewson Vice-President
F. Pacini Vice-President
J.I. Smak Vice-President
V.L. Trimble Vice-President
A.A. Boyarchuk Advisor
J. Bergeron Advisor

Executive Committee Meetings
65th Meeting, August 14, 15, 16 & 22, 1994, The Hague, The Netherlands
67th Meeting, August 18 – 21, 1995, Canberra, Australia
68th Meeting, June 23 – 25, 1996, Baltimore, USA

Officers Meetings
February 25 & 26, 1995, Paris, France
February 25, 1996, Paris, France
February 24, 1997, Paris, France

The activities of the Executive Committee were recorded in the minutes of the Executive Committee meetings and summaries of these minutes were published in the IAU Information Bulletin (EC 65: IB 74, p. 25; EC 66: IB 74, p. 25; EC 67: IB 76, p. 5 & EC 68: IB 79, p. 3).
The main issues addressed and decisions were:
- The implementation of the new "Division" structure of the IAU following the proposal adopted by the XXIIInd General Assembly in The Hague;
- Adaptation of the IAU Statutes, By-Laws and Working Rules to the new Division structure;
- Modifications of the Statutes and By-Laws to allow the individual membership of astronomers not represented by a national adhering organisation; Introduction of the Teaching of Astronomy Development (TAD) Programme;
- Establishment of a new (EC) Working Group for Future Large Scale Facilities;
- Conclusion of a new IAU Publishing Contract for the years 1998-2003;
- The use of the World Wide Web as a new major means of communication within the Union.

IAU Secretariat:

The secretariat continued to function at its headquarters in Paris (98 bis, Boulevard Arago, F-75014 Paris, France) according to an agreement with the French "Institut National des Sciences de l'Univers-CNRS" reached in November 1989.

There has been no change in the IAU staff: Mrs. Monique Léger-Orine is the IAU Administrative Assistant, as of September 1, 1987, and Ms. Julie Saucedo is the IAU Secretary, as of July 9, 1990.

Adhering Countries:

Amongst the states of the former Soviet Union, the Academies of Sciences of Azerbaijan, Georgia and Latvia have become national members of the IAU.

Of the former State of Yugoslavia, Croatia joined the Union.

Since Cuba and the DPR Korea had not paid their dues for over five years, the adherence of these countries to the IAU as full members terminated according to Article 7 of the IAU Statutes.

Adhering Countries: summary as of April 30, 1997:

<table>
<thead>
<tr>
<th>Number of Adhering National Organisations</th>
<th>60</th>
</tr>
</thead>
<tbody>
<tr>
<td>full statute</td>
<td>56</td>
</tr>
<tr>
<td>associate statute</td>
<td>4</td>
</tr>
</tbody>
</table>

Individual Membership and Consultants:

674 new individual members were admitted to the Union at the XXIIInd General Assembly.

Number of individual members as of May 12, 1997 7497
Number of consultants as of May 12, 1994 219

Commissions of the IAU

Commission 44 (Astronomy from Space) and 48 (High Energy Astrophysics) merged to form the new Commission 44 (Space and High Energy Astrophysics)

Commission 20: Positions & Motions of Minor Planets, Comets & Satellites

Minor Planet Circulars were issued, under the direction of B.G. Marsden in 1994, 1995 and 1996, to a total of 1847, 1954 & 1919 pages respectively and in 1991, 1992 and 1993, 333, 396 & 383 minor planets were numbered respectively.

Commission 38: Exchange of Astronomers
The aim of this programme is to provide support to astronomers from developing countries who spend periods over three months at a foreign host institution to pursue their training and formation in astronomy and their scientific collaboration with other astronomers. Priority is given to young astronomers. During the 1994 - 1997 triennium, 31 grants were awarded to this programme.

Commission 46: Teaching of Astronomy

International Schools for Young Astronomers (ISYAs)

Each school is planned for three weeks. It consists of both lectures by national and international senior astronomers, with usually an emphasis on a broad astronomical theme, and introduction to observational technics, at an active observatory when possible, and to data reduction and analysis. Attending students and young astronomers are both from the host country and nearby countries.

The following ISYAs took place during the triennium:

21st ISYA Cairo University and Kottamia Observatory, Egypt, September 18 - October 8, 1994
22nd ISYA Belo Horizonte, Brazil, 9 - 29 July, 1995
23rd ISYA Zanjan, Iran, 4 - 27 July, 1997
Scientific Meetings held

During the triennium, 20 Symposia, 18 Colloquia and 2 Regional Astronomy Meetings (VIIth Latin-American RAM and VIth Asian-Pacific RAM) were held. The Union also co-sponsored 9 meetings with other international Unions and ICSU Committees.


Publications

IAU INFORMATION BULLETIN: seven issues N. 74-80
IAU TRANSACTIONS XXIIIA (Reports 1996) - Reports on Astronomy, Ed. I. Appenzeller
HIGHLIGHTS OF ASTRONOMY 10, 1995
Ed. I. Appenzeller
MEMBERSHIP LIST 1994/1997

Fourteen Symposia:

160 ASTEROIDS, COMETS, METEORS 1993
Eds. A. Milani, M. di Martino & A. Cellino
161 ASTRONOMY FROM WIDE-FIELD IMAGING
162 PULSATION, ROTATION AND MASS LOSS IN EARLY-TYPE STARS
163 WOLF-RAYET STARS: BINARIES, COLLIDING WINDS, EVOLUTION
Eds. K.A. van der Hucht & P.M. Williams
Relations to other International Organisations

The IAU was represented by the Assistant General Secretary at the following meetings of ICSU: Meetings of the General Committee, at Rabat, Morocco, October 13-15, 1994 and at Chiang Mai, Thailand, October 7-9, 1995 and the XXVth General Assembly, held at Washington, DC, September, 1996.

The IAU was represented by the General Secretary, at the XXXIst Plenary Meeting of COSPAR and the ICSU Inter-Union Committee for Space Research, held at Birmingham, UK, July 14 - 21, 1996.

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2.3. IAU ACCOUNTS 1994-1996

TRIENNIUM 1994-1996 STATEMENT OF INCOME (CHF)

Paris, January 26, 1997

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<td>ADHERING ORGANIZATIONS</td>
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<td>619862</td>
<td>647150</td>
<td>562835</td>
<td>1829847</td>
</tr>
<tr>
<td>SPECIAL CONTRIBUTIONS</td>
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<td>184166</td>
<td>2122</td>
<td>22451</td>
<td>208739</td>
</tr>
<tr>
<td>ICSU/UNESCO</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>ICSU: General</td>
<td>26091</td>
<td>11880</td>
<td>15480</td>
<td>27360</td>
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</tr>
<tr>
<td>UNESCO: General</td>
<td>67926</td>
<td>17424</td>
<td>13416</td>
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<td>ICSU/AEI</td>
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<td>UNESCO/AEI</td>
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<th>5800</th>
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<th>64000</th>
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### PUBLICATIONS: ROYALTIES

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<th>62803</th>
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<th>190667</th>
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### BANK INTERESTS

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<td>Current accounts</td>
<td>2511</td>
<td>109</td>
<td>197</td>
<td>43</td>
<td>349</td>
</tr>
<tr>
<td>Deposit accounts</td>
<td>117283</td>
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<td>23473</td>
<td>6957</td>
<td>47709</td>
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<td>Saving accounts</td>
<td>1109</td>
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<td></td>
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<tr>
<td>Money market</td>
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<td>38094</td>
<td>34997</td>
<td>18660</td>
<td>91751</td>
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### OTHER INCOME

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<th></th>
</tr>
</thead>
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<td>Refund grants</td>
<td>2207</td>
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<td></td>
<td></td>
<td>6467</td>
</tr>
<tr>
<td>Refunds SPM/CQM</td>
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### TRIENNIUM 1994-1996 STATEMENT OF EXPENDITURE (CHF)

Paris, January 26, 1997

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### SCIENTIFIC ACTIVITIES

#### General Assembly

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| TRIENNIUM 1994–1996 (ctd) STATEMENT OF EXPENDITURE (CHF) |
|-----------------------------------------------------------|-----------|------|------|------|-----------|
| ICSU                                                      | 67706     | 11290 | 10543 | 12144 | 33977     |
| IERS/FAGS                                                 | 19915     | 7000  | 7000  | 7000  | 21000     |
| IUCAF                                                     | 23389     | 7500  | 7500  | 7500  | 23500     |
| CTS                                                       | 1768      |      |      |      |           |
| **Total**                                                 | 112778    | 25790 | 25043 | 26644 | 77477     |

| EXECUTIVE COMMITTEE                                       |
|-----------------------------------------------------------|-----------|------|------|------|-----------|
| Executive committee meetings                              | 79525     | 507  | 35137 | 37319 | 72963     |
| Officers meetings                                         | 12698     | 5222 | 2215  | 4430  | 11867     |
| SNC expenditure                                           | 8104      |      |      |      |           |
| General Secretary expenditure                            | 12969     | 9046 | 19044 | 18060 | 46150     |
| Representation expenditure                                | 5167      | 971  | 1851  | 2822  |           |
| President expenses                                        | 1792      |      |      |      |           |
| **Total**                                                 | 120258    | 15746 | 58247 | 59809 | 133802    |

| PUBLICATIONS                                              |
|-----------------------------------------------------------|-----------|------|------|------|-----------|
| Information Bulletin                                      | 167850    | 23319 | 21118 | 41156 | 85593     |
| Free Distribution                                         | 20909     | 27854 | 22733 | 34561 | 85148     |
| IAU History                                               | 6662      | 3666 | 3666  | 3666  |           |
| **Total**                                                 | 195421    | 54839 | 43851 | 75717 | 174407    |

| ADMINISTRATION/SECRETARIAT                                |
|-----------------------------------------------------------|-----------|------|------|------|-----------|
| Salaries                                                  | 420062    | 145841 | 133981 | 161627 | 441449    |
| Salaries & Charges                                        | 3368      | 2997  | 1693  | 1569  | 6259      |
| Training courses                                          | 4021      |      |      |      |           |
| Mail                                                      | 19976     | 12510 | 4689  | 6892  | 24091     |
| Telephone                                                 | 31771     | 14814 | 12575 | 14236 | 41625     |
| Telex                                                     | 9040      |      |      |      |           |
| Office supplies                                           | 37207     | 10467 | 7557  | 11731 | 29755     |
| Rental (INSU/IAP)                                         | 5817      | 5180  | 10328 | 4500  | 20008     |
| Furniture                                                 | 23051     | 4347  | 12513 | 274   | 17134     |
| Computers                                                 | 9920      | 18387 | 13760 | 18641 | 50788     |

| **Total**                                                 | 1111681   | 708591 | 326340 | 375639 | 1410570 |
TRIENNIAL 1994-1996 (ctd) STATEMENT OF EXPENDITURE (CHF)

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Excess of Income over Expenditure

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(*) 1997 budget as approved at the XXIInd General Assembly

### EXPENDITURE

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### DUES TO UNIONS /ORGANIZATIONS

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(*) 1997 budget as approved at the XXIInd General Assembly


### EXPENDITURE

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Executive cttee meetings        35000        36000
Officers meetings   5400 5000 5100 5200
SNC expenditure
General Secretary expenditure 23400 26000 26500 27500
President expenses   7000 3500 3500 3500
Assist General Secretary expenses 3000 3000 3000 3000
Total                  38800        72500        74100        39200

PUBLICATIONS
Information Bulletin  44000        32000        33000        34000
Free Distribution  18500        19000        19000        19000
Total                  62500        51000        52000        53000

ADMINISTRATION /SECRETARIAT
Salaries
Salaries & Charges 162800       155000       159000       164000
Training courses 4500          4500          4500          4500
General office expenses: 72000    70000        70000        72000
Mail, Telephone, Office supplies,
Rental (INSU/IAP), Furniture, Computers
Audit fee            3200          2000          2000          2000

Bank:
Loss on exchange
Loss on internal transfers
Bank charges 2500          3000          3000          4000
Commissions on deposits 4500          4000          4000          4500
Total                  249500       238500       242500       251000

TOTAL EXPENDITURE       1039400       811100       824200       1077300

Excess/Loss of Income over Expenditure  
(-190120 5420        10100      -220140

(*) 1997 budget as approved at the XXIIInd General Assembly

3.  SCIENTIFIC & EDUCATIONAL ACTIVITIES

3.1.  COMMISSION 38: EXCHANGE OF ASTRONOMERS

IAU TRAVEL GRANTS: GUIDELINES

Within the limitations imposed by the budget of the Commission as approved by the Executive Committee of the International Astronomical Union, funds are available to Commission 38 toward grants to qualified individuals to enable them to visit institutions abroad. It is intended, in particular, that the visitors should have ample time and opportunity to interact with the intellectual life of the host institution so that maximum benefit is derived by both sides. It is a specific objective of the programme that astronomy in the home country be enriched after the applicant returns.

1. Candidates may be faculty/staff members, post-doctoral fellows, or graduate students at any recognised educational/research institution or observatory. All candidates must have an excellent record of research and
must have made permanent and professional commitments to astronomy. The programme is designed to support both the work of young astronomers and established astronomers whose visits may benefit the country or institution visited. It is emphasised that all recipients should return to their home institutions or home countries upon the completion of their visits.

2. All visits must normally consist of a stay of at least 3 months at a single host institution. In special cases, shorter visits can be considered; stopover at other institutions en route may be permitted.

3. All visits must be formally agreed to by the Directors of the home and host institutions involved. Such endorsements must confirm that the proposed plan of study is a reasonable one and will be of benefit to astronomy.

4. All applicants must give details of funds currently available to her/him to finance her/his proposed visit including supporting documents. In particular, s/he must state what other applications s/he has submitted in efforts to obtain support from other sources and the status of such applications. In the event that an applicant receives funds, which may be used, in whole or in part, for the same proposed purpose from another source, s/he is required to revise her/his application or make a refund to the IAU. If dependants are to accompany the applicant, details must be given.

5. The amount of the grant will be governed by the cost of one return economy air fare and limited to the least expensive fare (such as PEX, APEX, etc.) between home and host institutions and normally is to be used by the applicant for such travel. With prior approval, the funds can instead be used wholly or in part for subsistence costs during the visit.

Some grants may be awarded on the basis of a one-way fare. An example is the case where highly qualified graduate students apply for funds to go abroad to begin graduate studies at an institution where they have been formally accepted.

6. Grants to attend symposia, summer schools, conferences, society meetings, etc. are outside the scope of the programme.

Grants will not normally be made for the sole purpose of obtaining observational data.

An individual should normally not expect to receive an IAU award for a second visit.

7. Each recipient is required to submit a brief report to the President of Commission 38 after her/his return from the visit. Acknowledgement of support from the Exchange of Astronomers Programme of the IAU should be made in any published paper resulting from the visit.

Application Procedure

1. An individual who wishes to apply for a grant under the IAU Exchange of Astronomers Programme should read the rules carefully to ensure that the circumstances of her/his case conform to the conditions under which IAU grants can be made. S/he should then proceed by formally submitting her/his request for a grant in the form of a letter to the President of Commission 38 (see below). Each candidate must submit a curriculum vitae showing that s/he is professionally qualified, and must submit a viable plan of scholarly activity to be carried out during the visit.

The information supplied in those documents should be complete and detailed as it will be used to judge whether the proposal is in conformity with the aims of the programme, whether the minimum initial requirements are being met, and whether the guidelines will permit a favourable decision. Any special circumstances must be carefully set forth.

2. It is the applicant's responsibility to arrange for the two confidential letters of endorsement from senior officials of the home and host institutions. These are to be sent without delay directly to the President.
of Commission 38. The letters from both institutions should confirm that the applicant’s proposed visit has the knowledge and support of the directors or senior academic/research officers of the institutions involved. Further they should state whether the applicant will be returning to a position at the home institution at the conclusion of the visit. Finally, they should confirm to the President of Commission 38 that the senior officials themselves have made every effort to obtain the necessary travel funds from their own institutions and from other resources within the respective countries.

The applicant must state who is responsible for her/his subsistence during the prolonged visit at the host institute, i.e. subsistence paid by the home or by the host institute, by a grant or fellowship or by any other means. Copies of the relevant documents should be submitted with application. In addition the applicant should provide information on the lowest available travel fare required.

3. As noted above, care should be taken to make the application as complete as possible and to include detailed statements rather than generalities. Material should be typed and single spaced. The application will be considered as quickly as possible, but it should be recognised that information and opinions must be exchanged among the President, Vice-Presidents, and/or other Members of the Organising Committee of Commission 38.

4. In summary, the application should include:
   i. plan of scientific activity,
   ii. curriculum vitae,
   iii. letters of support from home and host institutions,
   iv. information on responsibility for subsistence at the host institution,
   v. information on lowest available travel fare.

and should be submitted in time for the Officers of the Commission to consult by post.

5. All correspondence, including the endorsements referred to above, should be directed to the President of Commission 38, International Astronomical Union, with copy to the Vice-President. For the period August 1994–July 1997, the addresses are:

President
Prof. H.E. Jorgensen
NBIFAFG
Juliane Maries Vej 30
DK 2100 Copenhagen O
Denmark
Fax: 45 35 32 3989

Vice-President
Dr. Morton S. Roberts
NRAO
Edgemont Road
Charlottesville VA 22903
USA

Fax: 1 804 296 0278

3.2. COMMISSION 46: TEACHING OF ASTRONOMY

IAU COMMISSION 46 NEWSLETTER

This is a reminder that the electronic newsletter of Commission 46 is published approximately four times a year, and can be obtained by sending a message to Dr. Armando Arellano Ferro (armando@cuevano.ugto.mx). Current and past issues can also be found on our WWW site kindly maintained by Dr. Andrew Norton (http://physics.open.ac.uk/IAU46/)

About 60 addresses on our current e-mailing list constantly “bounce”, presumably because they are inactive, or have changed. If you are wondering why you no longer receive the newsletter, perhaps this is why. Please
update your address with Dr. Arellano Ferro.

John R. Percy, President

3.2.1. 23rd IAU International School for Young Astronomers (ISYA)

Zanjan, Iran, July 4 – 24, 1997
See IB 79 p.21

3.2.2. Teaching for Astronomy Development (TAD)

See IB 79 p. 22

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3.3. FUTURE IAU SCIENTIFIC MEETINGS

3.3.1. Deadline

Proposals for IAU Symposia, Colloquia, Regional Meetings, and co-sponsored meetings planned for 1999 should reach the Assistant General Secretary (see inside cover page)

no later than May 15, 1998

in order to be considered at the 1998 Executive Committee meeting. Proposals should be complete, with all supporting documents, at that time (cf. the Rules for IAU Scientific Meetings).

3.3.2. Future IAU Symposia

Symposium 183 COSMOLOGICAL PARAMETERS AND THE EVOLUTION OF THE UNIVERSE August 18 – 22, 1997, Kyoto, Japan
See IB 78, p. 9.

Symposium 184 THE CENTRAL REGIONS OF THE GALAXY AND GALAXIES August 18 – 22, 1997, Kyoto, Japan
See IB 78, p. 11.

Symposium 185 NEW EYES TO SEE INSIDE THE SUN AND STARS: PUSHING THE LIMITS OF HELIO- AND ASTEROSEISMOLOGY WITH NEW OBSERVATIONS FROM THE GROUND AND FROM SPACE August 18 – 22, 1997, Kyoto, Japan
See IB 78, p. 13.
Symposium 186 GALAXY INTERACTIONS AT HIGH AND LOW REDSHIFT August 26 – 30, 1997, Kyoto, Japan
See IB 78, p. 15.
Symposium 187  COSMIC CHEMICAL EVOLUTION
August 26 - 30, 1997, Kyoto, Japan

See IB 78, p. 18.

Symposium 188  THE HOT UNIVERSE
August 26 - 30, 1997, Kyoto, Japan

See IB 78, p. 20.

NB: For latest news on the programmes of the Symposia at the Kyoto GA, see the GA WWW pages:

http://www.tenmon.or.jp/iau97/

5.3.3. Future IAU Colloquia

None before 1998

4. OTHER SCIENTIFIC MEETINGS OF INTEREST TO IAU MEMBERS

ISO’S VIEW ON STELLAR EVOLUTION
Contact address: Dr. Rens Waters, Astronomical Institute, Univ. of
Amsterdam, Kruislaan, NL - 1098 SJ Amsterdam, The Netherlands.
Tel: 31 20 525 7468
Fax: 31 20 525 7484
E-mail: isostar@astro.uva.nl
WWW: http://www.astro.uva.nl/isostar

STRUCTURE AND EVOLUTION OF THE INTERGALACTIC MEDIUM FROM QSO ABSORPTION LINE
SYSTEMS
Contact address: Dr. Patrick Petitjean, Institut d’Astrophysique, 98bis
Blvd. Arago, F - 75014 Paris, France.
Tel: 33 1 4432 8150
Fax: 33 1 4432 8001
E-mail: petitjean@iap.fr
WWW: http://www.iap.fr/coll/

JOINT EUROPEAN AND NATIONAL ASTRONOMY MEETING
JULY 2 - 5, 1997, Thessaloniki, Greece.
Contact address: Dr. M.E. Contadakis, Aristotle University of Thessaloniki,
Department of Geodesy and Surveying, GR - 540 06 Thessaloniki, Greece.
Tel: 30 31 996122
Fax: 30 31 996408
E-mail: elaset@astro.auth.gr
WWW: http://www.astro.auth.gr/elaset/jenam97

THE STELLAR INITIAL MASS FUNCTION
Contact address: Ms. Debbie Howell, Inst. of Astronomy, Madingley Road,
Cambridge, CB3 0HA, UK.
Tel: 44 1223 337 548
Fax: 44 1223 337 523
E-mail: debbie@ast.cam.ac.uk
WWW: http://www.ast.cam.ac.uk/IoA/hx38_intro.html

COOL STARS, STELLAR SYSTEMS, AND THE SUN
July 15 - 19, 1997, Cambridge, MA, USA.
Contact address: Dr. Andrea K. Dupree, Center for Astrophysics, MS 15, 60
Garden Street, Cambridge, MA 02138, USA.
Tel: 1 617 495 7489
Fax: 1 617 495 7049
September 1 - 5, 1997, Odessa, Ukraine.
Contact address: Prof. V.G. Karetnikov, Astronomical Observatory, Odessa State University, T.G. Shevchenko Park, Odessa 270014, Ukraine.
Tel: 7 0482 228 442
E-mail: root@astro.odessa.ua

ASTRONOMY FROM LARGE DATABASES III
September 7 - 10, 1997, Sonneberg, Germany.
Contact address: Constanze la Dous, Sonneberg Observatory, Sternwartstrasse 32, D - 96515 Sonneberg, Germany.
Tel: 49 3675 81210
Fax: 49 3675 81219
E-mail: aldiii@stw.tu-ilmenau.de

SYNOPTIC SOLAR PHYSICS
September 7 - 12, 1997, Sunspot, NM, USA.
Contact address: Dr. Jack Harvey, NSO, P.O. Box 26732, Tucson, AZ 85726, USA.
Tel: 1 520 318 8337
Fax: 1 520 318 8278
E-mail: ws97@sunspot.noao.edu
WWW: http://www.sunspot.noao.edu/INFO/MISC/WORKSHOPS/

ASTRONOMICAL DATA ANALYSIS SYSTEMS AND SOFTWARE (ADASS'97) September 14 - 17, 1997, Sonthofen, Bavaria, Germany.
Contact address: Dr. Rudi Albrecht, ST/ECF, ESO, Karl-Schwarzschild-Strasse 2, D - 85748 Garching, Germany.
Tel: 49 89 320 06287
Fax: 49 89 320 06480
E-mail: adass@eso.org
WWW: http://ecf.hg.eso.org/adass/adass97.html

4TH HUNTSVILLE SYMPOSIUM ON GAMMA-RAY BURSTS September 15 - 19, 1997, Huntsville, AL, USA.
Contact address: Dr. Charles A. Meegan, Marshall Space Flight Ctr., NASA Code ES-62, Huntsville, AL 35812, USA.
Tel: 1 205 544 7694
Fax: 1 205 544 5800
E-mail: meegan@ssl.msfc.nasa.gov
WWW: http://www.batse.msfc.nasa.gov/information/4hgrbs

LARGE SCALE STRUCTURES: TRACKS AND TRACES September 15 - 20, 1997, Potsdam, Germany.
Contact address: Dr. Volker Müller, Astrophysikalisches Institut Potsdam, An der Sternwarte 16, D - 144482 Potsdam, Germany.
Tel: 49 331 7499 521
Fax: 49 331 7499 526
E-mail: pocowo@aip.de
WWW: http://www.aip.de:8000/~pocowo

CONVERGING COMPUTING METHODOLOGIES IN ASTRONOMY September 17 - 18, 1997, Sonthofen, Bavaria, Germany.
Contact address: Dr. Michael J. Kurtz, Center for Astrophysics, MS-20, 60 Garden Street, Cambridge, MA 02138, USA.
Tel: 1 617 495 7434
Fax: 1 617 495 7467
E-mail: kurtz@cfa.harvard.edu
WWW: http://cfa-www.harvard.edu/~kurtz/CCMAFinalConf.html

IO DURING THE GALILEO ERA September 22 - 24, 1997, Flagstaff, AZ, USA.
Contact address: Dr. John R. Spencer, Lowell Observatory, 1400 W. Mars Hill Rd., Flagstaff, AZ 86001, USA.
Tel: 1 520 774 3358, x17
Fax: 1 520 774 6296
E-mail: spencer@lowell.edu
WWW: http://www.lowell.edu/users/ijw/ioconference.htm

THE YOUNG UNIVERSE: GALAXY FORMATION AND EVOLUTION AT INTERMEDIATE AND HIGH
REDSHIFT
September 29 - October 2, 1997, Roma, Italy.
Contact address: Dr. Adriano Fontana, Osservatorio Astronomico di Roma, Via
Osservatorio 4, Monte Porzio, I - 00040 Roma, Italy.
Tel: 39 6 942 8643 56
Fax: 39 6 944 7243
E-mail: fontana@quasar.mporzio.astro.it
WWW: http://www.mporzio.astro.it/~highz

SOLAR ANALOGS: CHARACTERISTICS AND OPTIMUM CANDIDATES
October 5 - 7, 1997, Flagstaff, AZ, USA.
Contact address: Dr. Jeffrey Hall, Lowell Obs., 1400 W. Mars Hill Rd.,
Flagstaff, AZ 86001, USA.
Tel: 1 520 774 3358
Fax: 1 520 774 6296
E-mail: jh@lowell.edu
WWW: http://www.lowell.edu/users/jch/analogs.html

ABUNDANCE PROFILES: DIAGNOSTIC TOOLS FOR GALAXY HISTORY
October 12 - 15, 1997, Québec City, Canada.
Contact address: Dr. Daniel Friedli, Université Laval, Ste-Foy, Québec,
Canada G1K 7P4.
Tel: 1 418 656 2131
Fax: 1 418 656 2040
E-mail: dfriedli@phy.ulaval.ca
WWW: http://astrosun.phy.ulaval.ca/astro/announcement.html

ACCRETION PROCESSES IN ASTROPHYSICAL SYSTEMS
October 13 - 15, 1997, College Park, MD, USA.
Contact address: Dr. Susan Lehr, Dept. of Astronomy, Univ. of Maryland,
College Park, MD 20742, USA.
Tel: 1 301 405 3001
Fax: 1 301 314 9067
E-mail: october@astro.umd.edu
WWW: http://www.astro.umd.edu/october/

CYCLICAL VARIABILITY IN STELLAR WINDS
October 14 - 17, 1997, Garching, Germany.
Contact address: Dr. Lex Kaper, European Southern Observatory,
Karl-Schwarzschild-Strasse 2, D - 85748 Garching, Germany.
Tel: 49 89 320 06 229
Fax: 49 89 320 06 480
E-mail: windvar@eso.org
WWW: http://www.eso.org/windvar

ULTRAVIOLET ASTROPHYSICS BEYOND THE IUE FINAL ARCHIVE
November 11 - 14, 1997, Sevilla, Spain.
Contact address: Dr. Carmen Ramirez, IUE Observatory, Vilspa, P.O. Box
50727, E - 28080 Madrid, Spain
Tel: 34 1 813 1102
Fax: 34 1 813 1139
E-mail: sevilla@vilspa.esa.es
WWW: http://www.vilspa.esa.es/iue/IUEconf.html

SEARCH FOR EXTRA-SOLAR PLANETS WITH THE VLT/VLTI
November 17 - 19, 1997, Garching, Germany.
Contact address: Ms. Christina Stoffer, European Southern Observatory,
Karl-Schwarzschild- Strasse 2, D - 85748 Garching, Germany.
Tel: 49 89 320 06 229
Fax: 49 89 320 06 480
E-mail: gwiedema@eso.org
WWW: http://www.eso.org/xtrasol/

ASTROPHYSICAL FLUIDS - FROM ATOMIC NUCLEI TO STARS AND GALAXIES
Contact address: Dr. Oded Regev, Dept. of Physics, Technion, 32000 Haifa,
Israel.
Tel: 972 4 829 3992
Fax: 972 4 822 1514
E-mail: meeting@phastrol.technion.ac.il

GALACTIC SOURCES WITH RELATIVISTIC JETS
April 15 - 16, 1998, Milton Keynes, UK.
Contact address: Dr. Richard Ogley, The Open University, Walton Hall, Milton Keynes, Bucks, MK7 6AA, UK.
Tel: 44 1908 652 123
Fax: 44 1908 652 192
E-mail: R.N.Ogley@open.ac.uk
WWW: http://yan.open.ac.uk/~rogley/Workshop

CHEMISTRY AND PHYSICS OF MOLECULES AND GRAINS IN SPACE
April 15 - 17, 1998, Nottingham, UK.
Contact address: Prof. Peter J. Sarre, Dept. of Chemistry, Univ. of Nottingham, University Park, Nottingham NG7 2RD, UK.
Tel: 44 115 951 3460
Fax: 44 115 951 3466
E-mail: psa@star.le.ac.uk
WWW: http://www.nottingham.ac.uk/faraday.html

THE JOVIAN SYSTEM AFTER GALILEO - THE SATURNIAN SYSTEM BEFORE CASSINI-HUYGENS
Contact address: Prof. Christophe Sotin, Laboratoire de Géophysique et Planéologie, Faculté des Sciences et Techniques, 2 rue de la Houssinière, B.P. 92208, F - 44 322 Nantes, France.
Tel: 33 2 4037 3187
Fax: 33 2 4037 4957
E-mail: nantes98@chimie.univ-nantes.fr

THE INTERNATIONAL SPRING MEETING OF THE ASTRONOMISCHES GESELLSCHAFT IN GOTHA
Contact address: Dr. O. Schwarz, Uthmannstr. 8, D 99867 Gotha, Germany.
E-mail: sternwgth@aol.com
WWW: http://members.aol.com/SternwGTH

THE BL LAC PHENOMENON
June 22 - 26, 1998, Turku, Finland.
Contact address: Dr. Leo Takalo, Tuorla Observatory, FIN - 21500 Piikkiö, Finland.
Tel: 358 2 274 4258
Fax: 358 2 243 3767
E-mail: takalo@oj287.astro.utu.fi
WWW: http://astro.utu.fi/bl_lac98

PRECISE STELLAR RADIAL VELOCITIES
Contact address: Prof. John B. Hearnshaw, Dept. of Physics & Astronomy, Univ. of Canterbury, Private Bag 4800, Christchurch, New Zealand.
Tel: 64 3 364 2533
Fax: 64 3 364 2469
E-mail: j.hearnshaw@phys.canterbury.ac.nz

PROTOSTARS AND PLANETS IV
July 5 - 10, 1998, Santa Barbara, CA, USA.
Contact address: Dr. Vince Mannings, CalTech, Dept. of Astronomy, 105-24, Pasadena, CA 91125, USA.
Tel: 1 818 395 4169
Fax: 1 818 568 9352
E-mail: ppiv@astro.caltech.edu
WWW: http://astro.caltech.edu/~vgm/ppiv

ASYMPTOTIC GIANT STARS
Contact address: Dr. Agnès Legrè, GRAAL cc 072, Université Montpellier II, F - 34095 Montpellier Cedex 05, France.
Tel: 33 4 6714 4735
Fax: 33 4 6714 4535
5. IAU PUBLICATIONS

New Publishing Contract

The present contract for the publication of the IAU Symposia Proceedings, Transactions, Highlights of Astronomy, Information Bulletin and the Membership Directory with Kluwer Academic Publishers will terminate on December 31, 1997. Therefore, early in 1996 the IAU issued a call for tenders for a new contract for the period 1998-2003. As a response to this call for tenders the IAU received bids from four major international publishing houses. After careful evaluation of these bids the IAU Executive Committee decided to conclude the contract for the period 1998 to 2003 with the Astronomical Society of the Pacific. According to this contract ASP will publish the proceedings of all Symposia and General Assemblies taking place in the 6-year period starting on January 1st, 1998 and the Information Bulletins appearing in this period. The proceedings of the XXIIIrd General Assembly and all of the Symposia scheduled for 1997 will still be published by Kluwer Academic Publishers.

Transactions XXIII A
Eds. I. Appenzeller
Hardback USD 195.00 GBP 117.0 0-7923-4540-1

Symposia Series (Kluwer Academic Publishers)

Special offer from Kluwer Academic Publishers to IAU Members on IAU publications: Members of the IAU receive a discount of 33 1/3% off the price of the hardbound Symposia and Highlights volumes. They may purchase paperback copies of Symposium proceedings at NLG 70.00 per copy and paperback copies of the Highlights at NLG 105.00 per copy. The Transactions may be purchased at NLG 115.00 per copy.

178 MOLECULES IN ASTROPHYSICS: PROBES & PROCESSES
Eds. E.F. van Dishoeck
Paperback USD 210.00 GBP 56.00 0-7923-4539-8

6. MEMBERSHIP: WWW

We would like to remind all colleagues that addresses of individual IAU Members can be obtained from the IAU World Wide Web server (URL address: see back cover of this IB).

7. OTHER MATTERS

INFORMATION ON UTC - TAI

UTC TIME STEP ON THE 1ST OF JULY 1997

A positive leap second will be introduced at the end of June 1997. The sequence of dates of the UTC second markers will be:

1997 June 30, 23 h 59 mn 59 s
1997 June 30, 23 h 59 mn 60 s
1997 July 1, 0 h 0 mn 0 s

The difference between UTC and the International Atomic Time TAI is:
from 1996 Jan. 1, 0h UTC, until 1997 July 1, 0h UTC: UTC-TAI = - 30s
from 1997 Jul. 1, 0h UTC, until further notice: UTC-TAI = - 31s

Leap seconds can be introduced in UTC at the end of the months of December
or June, depending on the evolution of UT1-TAI. Bulletin C is mailed every
six months, either to announce a time step in UTC, or to confirm that
there will be no time step at the next possible date.

Martine Feissel
Director
Central Bureau of IERS

Page last modified by the IAU Secretariat on 2001-03-27.