

INFORMATION BULLETIN No. 87

June 2000

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PREFACE

Time flies, and another three years have almost gone by since the last General Assembly. The 24th General Assembly is approaching fast, and this is the last issue of the Information Bulletin for which I am responsible. As usual it contains up-to-date information on the General Assembly and associated events as well as an abbreviated draft of the Report of the Executive Committee for 1997-2000.

For the 24th General Assembly in Manchester, UK, the Scientific Organising Committees of the many larger and smaller scientific meetings have prepared a varied and exciting scientific menu for all of us. The Local Organising Committee is working hard to make sure that we shall all have a pleasant and profitable time. And thanks in part to additional financial support received from ESO, ESA, and the Local Organising Committee, all of which I gratefully acknowledge here, we have been able to provide a total of over 200,000 GBP in travel grants to over 360 participants. Thus, all sails are set for another memorable General Assembly - see inside!

In Section 7, on Membership, we bring another list of members for whom our current address information is outdated and/or incomplete such that mailings are returned to us. While we thank those of you who have provided feedback that certain members are no longer active in astronomy and should be removed from our data base, please bear in mind that we cannot remove members from the IAU rolls without their written permission. We need these members' addresses so as to establish contact and determine whether they wish to remain members or not. Please help by:

- 1: Informing us of the present address of any "missing" members you may know; and
- 2: Verifying that your own current address information as listed at our web site or in the printed membership Directory is correct and complete - including e-mail.

Finally, preparing the Report of the Executive Committee for the past triennium is a sharp reminder that my term as your General Secretary is coming to an end. I view this prospect with a mixture of regret and relief which is no doubt typical of IAU General Secretaries at this stage: This is as exciting, rewarding, and demanding an assignment as any found in international astronomy. For what has been accomplished I thank primarily Monique Léger-Orine and Jodi Greenberg who have performed wonders on a running basis in the Secretariat, as many of you will know. I also thank the Officers and Executive Committee for their support. The collaboration with Assistant General Secretary Hans Rickman has been particularly close and rewarding, and I am very pleased to know that "my" Union will be in the best of hands in the future.

To many of you: I look forward to see you in Manchester. To all of you: Thank you for your interest and support; without it, the IAU cannot fill the role in which it is unique.

Johannes Andersen, General Secretary

1. IN MEMORIAM: CLAUDIO ANGUITA

The Executive Committee is saddened to report that IAU Vice President Claudio Anguita Cáceres died after a short illness in Santiago, Chile, on March 3, 2000, only a week before his 70th birthday. As late as June 1999 he was the generous and hospitable host of the Executive Committee at its 72nd meeting, and it is sad indeed that he should leave us so soon. The short time available before the deadline for this IB has made it impossible to complete all biographical facts properly, but the following outline of his achievements is offered in the meantime.

Claudio Anguita's career was centered at the Universidad de Chile, where he was Professor of Astronomy and Director of the Department of Astronomy and Cerro Calán Observatory for many years. He also served as Dean of the Faculty of Sciences for several years during the military regime in Chile, and his diplomatic skills and tenacity were instrumental in preserving the essentials of academic freedom for faculty and students during his term.

Claudio Anguita's main scientific domain was in the applications of astrometry, where he worked on problems as diverse as the parallaxes of low-luminosity dwarfs and the proper motion of the Magellanic Clouds. His career coincided with the period when astronomy in Chile flourished through the establishment of the international observatories in the country. He was a key figure in ensuring that also Chilean astronomy took part in this development and in the new international collaborations, as a young generation of Chilean astronomers can testify. His wide knowledge of and connections in international astronomy, and the South American scientific scene in general, were of great value in a variety of international organisations, including his term 1994-2000 on the Executive Committee of the IAU, of which he became a member already in 1964. And his personal charm and wide-ranging interests in literature and music were a bonus for any social gathering he attended.

Claudio Anguita is survived by his wife, Rebeca, and their five children. Our sympathies and condolences go to them and to his colleagues in their loss.

Johannes Andersen, General Secretary

2. FAITS DIVERS

Rumour has it that the last year before a General Assembly is the busiest time of the triennium. This year seems to be no exception. First, the Reports on Astronomy 1996-1999 (IAU Transactions XXIVA) had to be assembled, edited and corrected, and submitted to the Publishers. With this, the transfer of our publications to the ASP should be complete, and it was with a sigh of relief that we completed the final proofs in early April. The book will be available by the time you read this.

Hardly had the piles of Reports left the office before the Travel Grant applications for the General Assembly began flooding in by mail and by fax. With well over 500 applications, our funds were heavily oversubscribed, and we were sorry to have to disappoint many colleagues whom we would have liked to help. Still, the total of over 200,000 GBP in grants which we were able to give are still a substantial sum, and we look forward to seeing many friends again in Manchester.

As the letters of grants and regrets went out, in came the proposals for new IAU members. At the time of this writing, we are still busy checking the proposals and entering addresses and other kinds of information on prospective new members in our data base, but no doubt we shall again have a record number of new members. This is fine - we are here to serve the members - but it does put additional strain on our small staff, so please be patient if every mail is not always answered exactly on the minute!

Still long-term policy issues should not drown entirely in the day-to-day battles. The last General Assembly clearly defined the protection of the sky against pollution of all kinds and at all wavelengths as a top priority for the IAU, and it has remained so. Previous IBs have informed readers of various initiatives in this regard, with last year's IAU Symposium 196 as the most visible activity. I am glad to be able to report that many of its recommendations were approved by UNISPACE III and subsequently endorsed by the UN General Assembly, so they now form part of the official UN policies for space. We are now teaming up with other partners to help prepare co-ordinated proposals to the UN Committee on Peaceful Uses of Outer Space for specific protective measures. An article on these issues was published as a 'Policy Forum' in *Science* (April 21, 2000, p.443) and is available on-line from the IAU web page at www.iau.org/envIRON.html.

Finally, we were disappointed to learn that two of our Chinese colleagues were prevented from attending the recent IAU Colloquium 180 in Washington, DC, due to delays in obtaining their visa. An investigation into the matter - with vigorous and much-appreciated help from the US National Academy of Sciences - showed that the visas had been delayed rather than actually denied, and no ICSU rules were formally broken. Nevertheless, this episode serves as a reminder that visa applications should always be initiated as early as at all possible, preferably at least 3 months in advance; diplomatic procedures and relations may change without warning and require more time than customary. Also, if any visa problems are suspected, the IAU Secretariat should be contacted several weeks in advance in order for us to be able to help solving them; little can be done in the last few days.

3. THE XXIVth GENERAL ASSEMBLY

3.1. The 73rd and 74th Meetings of the Executive Committee

The 73rd meeting of the Executive Committee will take place in Manchester on August 7, 8, 9, and 15; the outgoing Division Presidents are invited to these sessions of the EC. Agenda items are primarily related to the preparations for the two sessions of the General Assembly, including the proposed changes to the Statutes and By-Laws, the proposed budget for 2001-2003, applications for new National and Individual Members, nominations for new Presidents of Divisions and Commissions, any resolutions to be submitted to the General Assembly, the choice of venue for the 26th General Assembly (2006), etc. Improvements in the functions of the Divisions and other bodies will also be discussed.

The 74th meeting of the (newly elected) EC will take place on August 17 and 18, and the newly elected Division Presidents are invited to attend. Agenda items will include plans for the co-operation between the EC and the Divisions in the new triennium, and approval of new Boards of Divisions, Organising Committees of Commissions, and Working Groups of both sets of bodies. Another important task will be the selection of IAU sponsored meetings in 2001, where Division Presidents will again play an important role.

3.2. Agenda of the Meetings of:

National Representatives - August 8 14:00 - 15:00 & August 15, 11:30 - 12:30

1. Welcome and Adoption of Agenda
2. List of Adhering Organisations represented and names of representatives
3. Schedule of work for National Representatives
4. Voting Procedures
5. Revision of Statutes and By-Laws
6. Financial Status
7. Categories of Adherence
8. Unit of Contribution and proposed Budget 2001-2003
9. Report of Finance Committee (on August 15)
10. Report of Nominating Committee (on August 15)
11. Report of Resolutions Committee (on August 15)
12. Any other business

Nominating Committee - August 8 15:00 - 16:00 & August 15, 10:30 - 11:30

1. Welcome and Adoption of Agenda
2. List of Adhering Organisations represented and names of representatives
3. Election of Committee Chair
4. Schedule of work for the Nominating Committee
5. Review of proposals for new Individual Members by Adhering Organisations
6. Review of proposals for new Individual Members by Division Presidents
7. Recommendation to the Executive Committee on all proposals (on August 15)
8. Vote for four members of the Special Nominating Committee 2000-2003 from among 12 candidates nominated by Division Presidents (on August 15)
9. Any other business

Finance Committee - August 8 16:00 - 17:30 & August 15, 09:00 - 10:30

1. Welcome and Adoption of Agenda
2. List of Adhering Organisations represented and names of representatives
3. Election of Chairman of the Finance Committee
4. Schedule of work for the Finance Committee
5. Report of the Finance Sub-Committee 1997-2000
6. Accounts 1997-1999
7. Current financial status
8. Unit of Contribution 2001-2003
9. Category of Adherence by Adhering Organisations
10. Proposed Budget 2001-2003
11. Report and recommendations of the Finance Committee (on August 15)
12. Nomination of a Finance Sub-Committee for 2000-2003 (on August 15)
13. Any other business

3.3. Resolutions Committee

A standing Resolutions Committee, chaired by D. McNally, was elected in 1997 to serve through the 24th General Assembly. By the time of the General Assembly, it will have received such proposed Resolutions as have been submitted in time (cf. IB 84 and IB 86). These resolutions will then be discussed and revised as necessary during the General Assembly itself and submitted, as appropriate, with the recommendations of the Resolutions Committee and the Executive Committee, to a vote of the final session of the General Assembly.

4. OTHER IAU SCIENTIFIC MEETINGS IN 2000 - 2001

4.1. Approved Meetings in 2000 - 2001

Future IAU Symposia

IAU SYMPOSIUM 201 NEW COSMOLOGICAL DATA AND THE VALUES OF THE
FUNDAMENTAL PARAMETERS

7 - 10 August 2000, Manchester, UK (at the 24th General Assembly)

See IB85, p. 10-11 and

http://www.mrao.cam.ac.uk/~anthony/iau_201_programme.html

IAU SYMPOSIUM 202 PLANETARY SYSTEMS IN THE UNIVERSE -
OBSERVATION,
FORMATION AND EVOLUTION

7 - 10 August 2000, Manchester, UK (at the 24th General Assembly)

See IB85, p. 12-13 and <http://ast.star.rl.ac.uk/symp202>

IAU SYMPOSIUM 203 RECENT INSIGHTS INTO THE PHYSICS OF THE SUN AND
HELIOSPHERE - HIGHLIGHTS FROM SOHO AND OTHER SPACE MISSIONS

7 - 10 August 2000, Manchester, UK (at the 24th General Assembly)

See IB85, p. 14-15 and sohowww.nascom.nasa.gov/meetings/IAU_Symp203

IAU SYMPOSIUM 204 THE EXTRAGALACTIC INFRARED BACKGROUND AND
ITS
COSMOLOGICAL IMPLICATIONS

15 - 18 August 2000, Manchester, UK (at the 24th General Assembly)

See IB85, p. 16-17 and www.iau.org/symp204

IAU SYMPOSIUM 205 GALAXIES AND THEIR CONSTITUENTS AT THE HIGHEST
ANGULAR RESOLUTIONS

15 - 18 August 2000, Manchester, UK (at the 24th General Assembly)

See IB85, p. 18-19 and www.nfra.nl/jive/iausymp.htm

Future IAU Colloquia

IAU COLLOQUIUM 183 SMALL-TELESCOPE ASTRONOMY ON GLOBAL SCALES

4 - 8 January 2001, Kenting Natl. Park, Taiwan, China

See IB86, p.16-17

Other Meetings

Technical Workshop

ASTRONOMICAL SITE EVALUATION IN THE VISIBLE AND RADIO RANGE

13 - 17 November 2000, Marrakesh, Morocco

See IB86, p. 17 and

http://www.eso.org/gen-fac/pubs/astclim/espas/iau_site2000/

Co-Sponsored Meeting

33RD COSPAR SCIENTIFIC ASSEMBLY AND ASSOCIATED EVENTS

16 –2 3 July 2000, Warsaw, Poland

Contact: COSPAR Secretariat, 51 bd de Montmorency, F-75016 Paris, France

Tel: 3 1 45 25 06 79 Fax: 33 1 40 50 98 27

E-mail: cospar@paris7.jussieu.fr

WWW: <http://cospar.itodys.jussieu.fr/Meetings/sciass.htm>

4.2. Deadline for Proposals for Meetings in 2002

Proposals for IAU Symposia, Colloquia, and any Regional or Co-Sponsored Meetings in 2002 should be submitted to the appropriate Division President or equivalent (see the Rules for Scientific Meetings at the IAU web site)

no later than March 15, 2001

Copies of the proposal should be sent to the Presidents of all supporting Commissions before the above deadline. Meeting proposers are also encouraged to contact their 18 Division Presidents as early as possible so as to allow identification and possible resolution of potentially competing proposals, with a copy to the IAU Assistant General Secretary.

4.3. The XXVth and XVIth General Assemblies

As decided at the 23rd General Assembly in Kyoto in 1997, the 25th General Assembly of the IAU will be held July 13-26, 2003, in Sydney, Australia. Representatives of the host organisations will be present in Manchester to provide more information on this event.

Invitations to hold the 26th IAU General Assembly will be discussed at the 73rd meeting of the Executive Committee in Manchester with the intention to make a recommendation to the second session of the General Assembly.

5. DIVISION AND COMMISSION MATTERS

5.1. News from Divisions

Division III Planetary Systems Sciences (Michael F. A'Hearn)

Two committees are responsible for assigning new and revised nomenclature in the Solar System: The Working Group on Solar System Nomenclature (WGPSN) is charged with assigning names to the major planets and their satellites as well as to surface features of all bodies in the Solar System, while the Small Bodies Names Committee (SBNC) has assigned names to minor planets and comets. The system has generally worked well for many years, but the rules and procedures of the two bodies have had significant differences which have recently given occasional problems.

After thorough discussion in and with the two bodies, the Executive Committee has therefore approved new, formal Terms of Reference for both bodies, defining procedures for both that are as consistent as possible given their different fields of responsibility. Both include a procedure for public access to new nomenclature assigned by the Committees on a provisional basis, and an appeals procedure before the new names are formally given final approval by the General Assembly. In view of the existence of the Division structure, both the WGPSN and the SBNC (under its new name, the Committee on Small-Body Nomenclature) have the status of Working Groups under Division III and report to its President. The full wording of the new Terms of Reference will appear in the Proceedings of the 24th General Assembly (IAU Transactions 24B).

Division XI Space and High Energy Astrophysics (Willem Wamsteker)

The short report of Division XI on space activities of interest to IAU members in general continues as announced. As before, any inaccuracies in the listing below are the full responsibility of the Division President. This report only contains changes w.r.t. the report in IB 85. We will maintain a more complete listing in the future at the Divisional Web Page (<http://www.vilspa.esa.es/IAU-XI/>)

Space Astrophysics News

ASCA: Atmospheric reentry foreseen towards August 2000. Further information at: <http://www.astro.isas.ac.jp/xray/mission/asca/>

CGRO: Will be de-orbited on 03 June, 2000. Due to a gyro failure on 06 December, 1999, any additional failure would result in an uncontrolled re-entry in 3 – 10 years. Further information at: <http://cosscc.gsfc.nasa.gov/cosscc/>

HST: Servicing mission 20 December, 1999. The servicing mission 3A for the Hubble Space Telescope (HST) was completed successfully on 28 December, 1999. On 14 January, 2000 HST was back in full operation. Further information at: <http://sci.esa.int/hubble/>

XMM-NEWTON: Was successfully launched with Ariane-V Launcher on 10 December, 1999. ESA renamed the mission to XMM-Newton after the launch. Further information at: <http://xmm.vilspa.esa.es/>

ASTRO-E: The launch failed on 10 February, 2000. Further information can be found at: <http://astroe.gsfc.nasa.gov/docs/astroe/astroegof.html>

HETE II: The launch of the High Energy Transient Explorer II (HETE II) mission has been delayed until mid May 2000 being originally scheduled for 28 January, 2000. Further information can be found at: <http://space.mit.edu/HETE/>

SWAS: Functioning nominally. Further information can be found at: <http://cfa-www.harvard.edu/cfa/oir/Research/swas.html>

MARS POLAR LANDER: Crashed; declared lost on 21 January, 2000. NASA's Mars Polar Lander was expected to arrive at Mars on 3 December 1999. The Mission carried the:

DEEP SPACE 2: Probes which were silent after impact on Mars. Further information at: <http://mars.jpl.nasa.gov/msp98/index.html>

DEEP SPACE 1: In safe-mode. An unexpected new malfunction in the spacecraft startracker put the spacecraft in on-board safe-mode. For the planned encounter with Comet P/Borely Sensor in September 2001, degradation in the Plasma Experiment indicates that compositional determination of the complexions produced by comets might not be possible. Further information at: <http://nmp.jpl.nasa.gov/ds1/>

NEAR: Entered in orbit around the asteroid Eros on 14 February 2000. The Near Earth Asteroid Rendezvous spacecraft from NASA has started an extensive science program on Eros since it has gone into orbit around the asteroid. Further information at: <http://near.jhuapl.edu/>

STARDUST: Launched 7 February 1999. Its primary goal is to collect comet dust and volatile samples during a planned close encounter with comet Wild 2 in January of 2004. Further information at: <http://stardust.jpl.nasa.gov/mission/>

5.2. News from Commissions

At the next General Assembly, Commissions 8 (Positional Astronomy) and 24 (Photographic Astrometry) will complete a long-planned merger into a single new Commission 8 with the name Astrometry, still within Division I.

Similarly, as discussed in previous IBs, Commissions 38 (Exchange of Astronomers) and 46 (Teaching of Astronomy) will merge into a single new Commission 46 with the name Astronomy Education and Development. The new Commission will remain a Commission of the Executive Committee and continue, co-ordinate, and expand the educational and development activities of both present Commissions, supported by an increased budget and in close contact with the Executive Committee. Suitable Terms of Reference for these activities are being drafted.

6. EDUCATIONAL AND DEVELOPMENT ACTIVITIES

6.1. New Structure of IAU Educational and Development Activities

As mentioned above, it is intended to strengthen the long-term planning and co-ordination of the educational and development activities of the IAU by collecting the diverse programmes of the present Commission 46 with the programme of support to research and training visits of the present Commission 38. To these will be added the 'pre-project' or 'scouting' missions of the Working Group on World Wide Development of Astronomy of the Executive Committee. The entire budget of the IAU for educational and development activities, including the support sometimes received from ICSU and/or UNESCO, will be available to the new Commission, based upon regularly updated long-term plans and programme reviews. Close contact will be maintained with the Executive Committee and the General Secretary to permit quick funding decisions to be made when need be. It is planned that the Organising Committee of the new Commission 46 will be responsible for planning, co-ordination, and reporting for the overall effort, while specific programmes will be run in a flexible manner by small, dedicated Programme Groups. The overall structure is still under discussion in the community and will no doubt evolve with time and experience.

6.2. Exchange of Astronomers Programme 2000 - 2003

Within the budget approved by the Executive Committee, grants will continue to be available to qualified individuals to enable them to visit institutions abroad. It is intended, in particular, that the visitors should have ample opportunity to interact with the intellectual life of the host institution so that maximum benefit is derived by both sides. Another specific objective is that astronomy in the home country should be enriched after the applicant returns.

Detailed guidelines for these grants and the application procedures to be followed were published in IB 81 (pp. 37-39) and are available from the Commission 38 Web page. Until the transition to the new structure outlined above has been completed and new contact persons have been appointed, all information will remain available at the web site of the present Commission 38. Similarly, all correspondence should continue to be directed to the President and Vice-President of the Commission, at the following addresses:

President:

Dr Morton S. Roberts
 NRAO
 Edgemont Road
 Charlottesville VA 22903
 USA
 Phone: 1 804 296 0233
 Fax: 1 804 296 0278
 Email: mroberts(@)nrao.edu

Vice-President:

Dr Richard M West
 ESO
 Karl Schwarzschildstr 2
 D 85748 Garching München
 Germany
 Phone: 49 89 320 06 276
 Fax: 49 89 320 2362
 Email: rwest(@)eso.org

6.3. 25th International School for Young Astronomers (NB New Dates!)

The 25th IAU-UNESCO International School for Young Astronomers will be held at the Chiang Mai University (Thailand): January 3 - 22, 2001. The language of the School will be English. Accommodation will be supported by the Thai host. Travel grants will be available. Those interested are encouraged to apply (see below). The emphasis will be on stellar astrophysics. Among the topics to be covered are :

- Astronomical measurements
- Stars : observations, structure and evolution
- Compact stars, High energy astrophysics
- Galaxies

Application forms can be obtained at WWW:

<http://www.science.cmu.ac.th/sympo12.html> or

<http://www.iap.fr/SitesHeberges/isya/index.html> or by request through e-mail to one of the addresses given below.

Applications should include your achieved level of studies in physics and astronomy and any topic of special interest. A letter of recommendation is required, evaluating academic standing and proficiency in English.

Applications and letters of recommendation should be sent, by air mail, fax or e-mail, before August 20, 2000 to both addresses below:

Dr. M. Gerbaldi, Secretary for ISYA and Dr. Boonrucksar Soonthornthum

Institut d'Astrophysique
98 bis, Bd. Arago
F 75014 Paris
France
Fax: 33 1 44 32 80 01
Email: gerbaldi(@)iap.fr

Faculty of Sciences
Chiang Mai University
Chiang Mai 50200
Thailand
66 53 222268/66 53 892274
boonraks(@)cmu.chiangmai.ac.th

6.4. Astronomy in Developing Countries: TAD Activities

Morocco: Dr. David Clarke (Glasgow) visited Hassan II University in Casablanca. He brought with him a TAD-purchased CCD (Starlight Xpress HX516) and supervised the initial observations with the recently arrived IAU Traveling Telescope. A student trained at ESO Munich regarding CCD has returned.

Vietnam: The new bilingual undergraduate text "Astrophysics" (in Vietnamese and English on facing pages) is ready for printing at the Vietnamese Education Publishing House and is expected to appear in August 2000. With financial support from the TAD programme, the book features the rare innovations for a Vietnamese university textbook of photographs and even colour pictures, which should enhance its appeal. Negotiations are ongoing to ensure that the book will remain affordable to the students. In addition to this and other activities (see previous IBs), the TAD programme supported the writing of a Dictionary (or handbook) of Astronomy in Vietnamese, which was published in 1999.

7. MEMBERSHIP

7.1. National Memberships

Cuba, Jordan, Morocco and The Philippines have applied for Associate Membership in the IAU. These applications will be voted upon by the XXIVth General Assembly.

7.2. Individual Members

Deceased Members

The General Secretary regrets to announce the following names of Members whose death has been reported to, and verified by, the Secretariat since IB 86:

Alberto Abrami	Philip C. Keenan
Claudio Anguita	William L. Martin
Mikle F. Bykov	Anders Reiz
Salvatore Cristaldi	Dennis W. Sciama
Edward R. Dyer	Patan Deen Singh
Paolo Farinella	E. M. Slonim
Philip W. Hill	Helen Greuter Wright
Friedrich W. Jaeger	

Address Updates Needed for IAU Members or Consultants!

A major effort is being made by the Secretariat to keep the membership data base up-to-date. We thank all who sent information regarding Members or Consultants with erroneous addresses in response to the list given in IB 83 and 84. In many cases, this information allowed us to "recover" these Members. However, we still need accurate address information for the following Members (mail to the addresses below is returned), and continue to appreciate all possible help from readers.

In some cases, we receive information that a person listed has left astronomy and should be deleted from the membership file. We ask correspondents to note that removal of members from the membership list is only possible either through a written resignation to the General Secretary, or on the explicit proposal of the appropriate Adhering Organization, or at the confirmation of the death of a member. Accordingly, we ask correspondents to either contact such members and suggest that they resign from the Union, or to contact the corresponding Adhering Organization.

Paul Atherton, Imperial College, London, UK
Frank Baier, Sternwarte Babelsberg, Potsdam, Germany
Vladimir Belinsky, Landau Inst, Moscow, Russia
Rajaram Bhonsle, PRL, Ahmedabad, India
Guy Blair, Wilsonville OR, USA
David Book, NRL, Washington DC, USA
Joerg Buechner, MPI Extraterrestrische Physik, Berlin, Germany

Maria Capria, IAS, Roma, Italy
Sergio Cellone, FCAGS, La Plata, Argentina
Zhen Chen, Purple Mountain Observatory, Nanjing, China PR
V Cherednichenko, Kyiv Polytechnical Institute, Kyiv, Ukraine
Dattakumar Chitre, Computer Sciences Corp, Silver Spring MD, USA
Se Cho, ISSA, Daejeon, Korea RP
Arati Chokshi, IIA, Bangalore, India
Pierre Cox, IAS, Orsay Cdx, France
Xiaohua Di, Purple Mountain Observatory, Nanjing, China PR
Siegfried Drapatz, MPE, Garching, Germany
Maurice Dubin, Silver Spring, USA
Marc Dubois, DAPNIA/SAP, Gif-s-Yvette Cdx, France
Paul Edwards, MSSSO, Canberra, Australia
Alan Edwards, CALTECH/JPL, Pasadena CA, USA
Gerhard Elwert, Physik University Tuebingen, Tuebingen, Germany
Brian Fitton, ESA/ESTEC, Noordwijk, Netherlands
J. Forbes, Arlington VA, USA
Masataka Fukunaga, Tohoku University, Miyagi, Japan
Kajal Ghosh, IIA, Bangalore, India
Daya Gilra, SM Systems/Research Co, Landover, USA
Charlotte Gordon, Paris, France
Dietrich Gutcke, Carl Zeiss Jena Gmbh, Jena, Germany
Fumihiko Hagio, Kumamoto Institute of Techn, Kumamoto, Japan
Andrew Hall, University of Oxford, Oxford, UK26
Zhengzhong Han, Purple Mountain Observatory, Nanjing, China PR
Reinhard Hanuschik, , Ruhr University Bochum, Bochum, Germany
Thomas Hartquist, MPA, Garching, Germany
Leo Haser, MPE, Garching, Germany
Carole Haswell, University of Sussex, Brighton, UK
Henry Helmken, CfA, Cambridge, USA
Nigel Holloway, Assurance Ombudsman, Reading, Berkshire, UK
Song-nian Huan, ICTP, Trieste, Italy
Edsko Hummel, Kapteyn Sterrekundig Institut, Groningen, Netherlands
Dirk Husfeld, University Sternwarte, München, Germany
A. Jayarajan, IIA, Bangalore, India
Tu Kim, Korea Astron Obs/ISSA, Taejon, Korea RP
David King, Royal Greenwich Obs, Cambridge, UK
H. Koehler, Heidenheim, Germany
Masa-Toshi Koshiba, Tokai University, Tokyo, Japan
Shin Koyama, University of The Air, Takamatsu, Japan
Gerhard Kraemer, University Tübingen, Tübingen, Germany
E. Kreisel, Einstein Laboratorium, Potsdam, Germany
Ruediger Kunze, Sternwarte University Kiel, Kiel, Germany
S. Leschiutta, University di Torino, Torino, Italy
Hilmar Lorenz, Sternwarte Babalsberg, Potsdam, Germany
James Mark, Plainsboro NJ, USA
Richard McGee, CSIRO, Epping, Australia
Fritz Merkle, Carl Zeiss Jena Gmbh, Jena, Germany
Nasridin Minikulov, Tajik Academy Science, Dushanbe, Tajikistan
Shin Moon, Korea Astronomical Observatory/ISSA, Taejon, Korea RP

Michael Morris, Royal Greenwich Observatory, Cambridge, UK
Tadashi Nakajima, NAOJ, Mitaka, Japan
L. Oetken, Sternwarte Babelsberg, Potsdam, Germany
Thomas Oosterloo, CSIRO, Epping, Australia
Robert Panek, Pennsylvania State University, University Park PA, USA
David Payne, CALTECH/JPL, Pasadena CA, USA
Klaus Pflug, Sternwarte Sonnenberg, Potsdam, Germany
John Phillips, QMWC, London, UK
Vladimir Porfir'ev, Pedagogic Institute, Moscow, Russia
Mieczyslaw Proszynski, Copernicus Astronomical Center, Warsaw, Poland
Jeffery Puschell, Lockheed Martin A & NS, Baltimore, USA
Newrick Reay, Imperial College, London, UK
Lorna Richardson, University of Glasgow, Glasgow, UK
Johannes Richter, Sternwarte University Kiel, Kiel, Germany
Kristen Rohlf, Ruhr University Bochum, Bochum, Germany
Rolf Schulz, University Bonn, Bonn, Germany
John Scott, Steward Observatory, Tucson, USA
Michael Shallis, University of Oxford, Oxford, UK
Sergei Shandarin, Institute of Physics Problems, Moscow, Russia
Mary Sim, Royal Observatory, Edinburgh, UK
R. Speer, Imperial College, London, UK
Lothar Stange, Technical University, Dresden, Germany
Sundarajan Sukumar, Berkeley CA, USA
Jose Taborda, Astronomical Observatory, Lisboa, Portugal
Yoichi Terashita, Kanazawa Technical Institute, Ishikawa, Japan
Charalambos Terzides, University Thessaloniki, Thessaloniki, Greece
Heinz Tiersch, Sternwarte Babelsberg, Potsdam, Germany
Fu Tong, Purple Mountain Observatory, Nanjing, China PR
Eleonore Trefftz, München, Germany
Mo Tsao, Taipei, China R
Walter Upson, Princeton University Observatory, Princeton NJ, USA
Floor van Leeuwen, Royal Greenwich Observatory, Cambridge, UK
Moraes Vilhena, INPE, S Jose dos Campos, Brazil
Manfred Vogel, ETH Zentrum, Zürich, Switzerland
Theophile Weimer, Observatoire de Paris, Paris, France
S. Wilson, National University Singapore, Singapore
Liangyun Xie, Institute of Geodesy, Wuchang, China PR
Shoichi Yamada, MPE, Garching, Germany
Akira Yamazaki, Hydrographic Department, Tokyo, Japan
Jun-ichi Yokoyama, Kyoto University, Uji, Japan
Saad Younis, SARC, Jadiriya Baghdad, Iraq
Shouzhong Zhanf, New York NY, USA
Edwardus Zuiderwijk, Royal Greenwich Observatory, Cambridge, UK

8. PUBLICATIONS

IAU Symposia

190 NEW VIEWS OF THE MAGELLANIC CLOUDS
Eds Y. Chu, N. Suntzeff, J. Hesser & D. Bohlender
ASP, San Francisco, CA USA, 1999, ISBN 1-58381-021-8

193 WOLF-RAYET PHENOMENA IN MASSIVE STARS AND STARBURST GALAXIES
Eds. K. van der Hucht, G. Koenigsberger & P. Eenens
ASP, San Francisco, CA USA, 1999, ISBN 1-58381-004-8

IAU Colloquia

170 PRECISE STELLAR RADIAL VELOCITIES
Victoria B.C., Canada, June 21-26, 1998
Eds. J. Hearnshaw & C.D. Scarfe
ASP, San Francisco, CA USA, 1999, ISBN 1-58381-011-0

173 EVOLUTION AND SOURCE REGION OF ASTEROIDS AND COMETS
Tatranská Lomnica, Slovak Republic, August 24-28, 1998
Eds. J. Svoren, E.M. Pittich & H. Rickman
Astronomical Institute of the Slovak Academy of Sciences, Tatranská Lomnica,
1999, ISBN 80-88780-32-2

Other Publications Received

ASP Conference Series, US\$ 52.00

- Vol 175 STRUCTURE AND KINEMATICS OF QUASAR BROAD LINE REGIONS
- Vol 184 THIRD ADVANCES IN SOLAR PHYSICS EUROCONFERENCE
 MAGNETIC FIELDS
- Vol 186 THE CENTRAL PARSECS OF THE GALAXY
- Vol 187 THE EVOLUTION OF GALAXIES ON COSMOLOGICAL TIMESCALES
- Vol 188 OPTICAL AND INFRARED SPECTROSCOPY OF CIRCUMSTELLAR
 MATTER
- Vol 189 CCD PRECISION PHOTOMETRY WORKSHOP
- Vol 190 GAMMA RAY BURSTS: THE FIRST THREE MINUTES
- Vol 191 PHOTOMETRIC REDSHIFTS AND HIGH REDSHIFT GALAXIES
- Vol 192 SPECTROPHOTOMETRIC DATING OF STARS AND GALAXIES
- Vol 194 OPTICAL AND IR INTERFEROMETRY FROM GROUND AND SPACE

Cambridge University Press

THE CAMBRIDGE PLANETARY HANDBOOK

M. Bakich, 2000, ISBN 0521 63280 3 (HB)

COMET SCIENCE: THE STUDY OF REMNANTS FROM THE BIRTH OF THE SOLAR SYSTEM

J. Crovisier & T. Encrenaz, 2000, ISBN 0 521 64591 3 (PB) \$US54.95

COSMOLOGY, THE SCIENCE OF THE UNIVERSE

E. Harrison, 1999, ISBN 0 521 66148 X (HB) \$US54.95

A DIFFERENT APPROACH TO COSMOLOGY: FROM A STATIC UNIVERSE THROUGH THE BIG BANG TOWARDS REALITY

F. Hoyle, G. Burbidge & J. Narlikar, 2000, ISBN 0 521 66223 0 (HB) \$US59.95

THE DISTRIBUTION OF THE GALAXIES: GRAVITATIONAL CLUSTERING INCOSMOLOGY

W. Saslaw, 2000, ISBN 0 521 39426 0 (HB) US\$100.00

THE FORMATION OF GALACTIC BULGES

C. Carollo, H. Ferguson & R. Wyse, 1999, ISBN 0 521 663334-2 (HB)

GLOBULAR CLUSTERS

C. Martinez Roger, F. Sánchez & I Perez Fourmon, 2000, ISBN 521 77058 0 (HB) US\$69.95

NEW PERSPECTIVES IN ASTROPHYSICAL COSMOLOGY

M. Rees, 2000, ISBN 0 64238 8 (HB) US\$24.95

OUR COSMIC FUTURE: HUMANITY'S FATE IN THE UNIVERSE

N. Prantzos, 2000, ISBN 0 521 77098 X (HB) US\$24.00

PRINCIPLES OF OPTICS

M. Born & E. Wolf, 1999, ISBN 0-521 64222 1 (HB) US\$ 59.95

STELLAR ROTATION

J-L. Tassoul, 2000, ISBN 0-521-77218-4 (HB)

UNFOLDING OUR UNIVERSE

I. Nicholson, 2000, ISBN 0-521-59270-4(HB) US\$39.95

L Davis Press, Scenectady, N.Y.

PRECISION PHOTOMETRY: ASTROPHYSICS OF THE GALAXY

A. G. Davis Philip, A. R. Uppgren, K. A. Janes, 1991, ISBN 0-93385-13-1

OBJECTIVE-PRISM AND OTHER SURVEYS

A. G. Davis Philip & A. R. Uppgren, 1991, ISBN 0-933485-15-8

NEW YORK STATE ASTRONOMY

A. G. Davis Philip, 1992, ISBN 0-933485-16-6

WORKSHOP ON DATABASES FOR GALACTIC STRUCTURE

A. G. Davis Philip, B. Hauck & A. R. Uppgren, 1993, ISBN 0-93348517-4

PHOTOMETRIC SYSTEMS AND STANDARD STARS

V. Straizys & A. G. Davis Philip, 1996, ISBN 933485-20-4

THE THIRD CONFERENCE ON FAINT BLUE STARS

A. G. Davis Philp, J. W. Liebert & R. A. Saffer, 1997, ISBN 0-933485-22-0

Other Books Received

LA CARTE DU CIEL

I. Chinnici, Observatoire de Paris, Osservatorio Astronomico di Palermo G.S. Vaiana, 1999, ISBN 2-901057-40-3

DICTIONARY OF MINOR PLANET NAMES

Ed. L.D. Schmadel, Springer Verlag, Berlin, Germany 1999, (HB) ISBN 3-540-66292-8 (CD ROM)

LONG AND SHORT TERM VARIABILITY IN SUN'S HISTORY AND GLOBAL CHANGE

M. McIntyre, G. Grefori, H. Mortiz, et. al., W. Schröder, Science Edition, Bremen, 2000, ISSN C179-5658 US\$20.00

PROCEEDINGS OF THE WORKSHOP ON SPACE LAW IN THE TWENTY-FIRST CENTURY

UNISPACE III Technical Forum, July 1999, United Nations, New York, NY 2000

THE MESSAGE OF THE ANGLES – ASTROMETRY FROM 1798 TO 1998

P. Broche, W.R. Dick, O. Schwartz & R. Wielen

Verlag Harri Deutsch, Frankfurt, 1998, ISBN 3-8171-1588-1, DM 38

TREASURE-HUNTING IN ASTRONOMICAL PLATE ARCHIVES

P.Kroll, C. la Dous & J Bräuer

Verlag Harri Deutsch, Frankfurt, 1999, ISBN 3-8171-1599-7, DM 38

COMPOSITION AND ORIGIN OF COMETARY MATERIALS

K. Altwegg, P. Ehrenfreund, J. Geiss & W. Huebner
Kluwer Academic Publishers, Dordrecht, 1999
ISBN 0-7923-6154-(HB)

RELATIVISTIC JETS IN AGNS

Eds. M. Ostrowski, M. Sikora, G. Madejski & M. Begelman
Astronomical Obs. of Jagiellonian Univ of Cracow, Poland, 1997
ISBN 83-908592-1-1 (HB)

PLASMA TURBULENCE AND ENERGETIC PARTICLES IN ASTROPHYSICS

M Ostrowski & R. Schlickeiser
Astronomical Obs. of Jagiellonian Univ of Cracow, Poland, 1999
ISBN 83-90859-0-3 (HB)

9. REPORT OF THE EXECUTIVE COMMITTEE 1997-2000

9.1. Meetings of the EC

The Executive Committee met as follows during the reporting period:

70th Meeting, August 27, 1997 in Kyoto, Japan
 71st Meeting, July 2-3, 2000 in Paris, France
 72nd Meeting, June 18-20, 2000, Santiago, Chile

9.2. Membership of the Union (National and Individual)

In conformity with ICSU policy, the Former Yugoslavian Republic of Macedonia became Full Member of the IAU as of January 1st, 1998 whereas Uzbekistan became associate member, effective January 1st, 1999.

Following five years of non-payment of dues, the membership of Azerbaijan terminated on December 31st, 1997.

The Executive Committee approved a change in the Category of Canada from VI to V, effective January 1st, 1998 and from the United States from VIII½ to IX, effective January 1st, 2000.

Number of Adhering Organizations as of April 15, 2000	62
Full Members	55
Associate Members	7
Number of individual members as of April 15, 2000	8185
Number of Consultants	190

9.3 Divisions, Commissions & Working Groups

During the triennium, the name of Division III was adjusted to Planetary Systems Sciences to reflect that also extrasolar planets are included in the activities of the Division. Similarly, the name of Division IX was updated to Optical and Infrared Techniques to better reflect current activities. Working Groups on Hot Massive Stars under Division IV and on Star Forming Regions under Division VI have been formed, and the organisational basis for the existing bodies on planetary system nomenclature has been revised and updated (see also 5.1 above). No changes were made in Commission names or affiliations, although preparations were made for merging Commissions 8 & 24 and 38 & 46 at the XXIVth General Assembly (see 5.2).

9.4. Scientific Activities

Environmental Issues

As a follow-up to Resolution A1 from the Kyoto GA and the EC Policy Statement on the Environment approved at EC 71, the IAU-COSPAR-UN Special Environmental Symposium, No. 196, on "Preserving the Astronomical Sky", was held in conjunction with the UNISPACE III conference of the UN Committee on the Peaceful Uses of Outer Space (COPUOS) in Vienna, Austria, in July 1999. The recommendations of the Symposium have been presented to the main UN Conference, and are included in its recommendations for the future, distributed to UN Member countries.

Scientific Meetings

XXIIIrd IAU General Assembly:
Kyoto, Japan, August 17-31, 1997
IAU Symposia

- 182 Herbig-Haro Flows and the Birth of Low-Mass Stars
Chamonix, France, January 20-26, 1997
- 183 Cosmological Parameters and the Evolution of the Universe
Kyoto, Japan, August 18-22, 1997
- 184 The Central Regions of the Galaxy and Galaxies
Kyoto, Japan, August 18-22, 1997
- 185 New Eyes to See inside the Sun and the Stars: Pushing the Limits of Helio
and
Astro-Seismology with new Observations from the Ground and From Space
Kyoto, Japan, August 18-22, 1997
- 186 Galaxy Interactions at High and Low Redshift
Kyoto, Japan, August 26-30, 1997
- 187 Cosmic Chemical Evolution
Kyoto, Japan, August 26-30, 1997
- 188 The Hot Universe
Kyoto, Japan, August 26-30, 1997
- 189 Fundamental Stellar Properties: The Interaction between Observation
and Theory. Sydney, Australia, January 13-17, 1997
- 190 New Views of the Magellanic Clouds
Victoria, Canada, July 13-19, 1998
- 191 Asymptotic Giant Branch Stars
Montpellier, France, August 28 - September 1, 1998

- ²192 The Stellar Content of Local Group Galaxies
Cape Town, South Africa, September 7-12, 1998
- 193 Wolf-Rayet Phenomena in Massive Stars and Starburst Galaxies
Puerto Vallarta, Mexico, November 3-7, 1998
- 194 Activity in Galaxies and Related Phenomena
Yerevan, Armenia, August 17-21, 1998
- 195 Highly Energetic Physical Processes and Mechanisms for Emission from
Astrophysical Plasmas. Bozeman, MT, USA, July 6-10, 1999
- 196 Preserving the Astronomical Sky: An IAU/COSPAR/UN
Special Environmental Symposium. Vienna, Austria, July 12-16, 1999
- 197 Astrochemistry: from Molecular Clouds to Planetary Systems
Sogwipo, Rep. of Korea, August 23-27, 1999
- 198 The Light Elements and their Evolution
Natal, Brazil, November 22-26, 1999
- 199 The Universe at Low Radio Frequencies
Pune, India, November 30 - December 4, 1999
- 200 The Formation of Binary Stars
Potsdam, Germany, 10-15 April, 2000

IAU Colloquia

- 164 Radio Emission from Galactic and Extragalactic Compact Sources
Socorro, New Mexico, USA, April 21-26, 1997
- 165 Dynamics and Astrometry of Natural and Artificial Celestial Bodies
Poznan, Poland, July 1-5, 1996
- 166 The Local Bubble and Beyond
Garching b. München, Germany, April 21-25, 1997
- 167 New Perspectives on Solar Prominences
Aussois, France, April 28 - May 4, 1997
- 168 Cometary Nuclei in Space And Time
Nanjing, China, May 18-22, 1998
- 169 Variable and non-Spherical Stellar Winds in Luminous Hot Stars
Heidelberg, Germany, June 15-19, 1998
- 170 Precise Stellar Radial Velocities
Victoria, Canada, June 21-26, 1998

- 171 The Low Surface Brightness Universe
Cardiff, UK, July 6-10, 1998
- 172 The Impact of Modern Dynamics in Astronomy
Namur, Belgium, July 6-11, 1998
- 173 Evolution and Source Regions of Asteroids and Comets
Tatranská Lomnica, Slovak Rep., August 24-28, 1998
- 174 Small Galaxy Groups
Turku, Finland, June 13-18, 1999
- 175 The Be Phenomenon in Early-Type Stars
Alicante, Spain, June 28 - July 2, 1999
- 176 The Impact of Large-Scale Surveys on Pulsating Star Research
Budapest, Hungary, August 8-12, 1999
- 177 Pulsar Astronomy - 2000 and Beyond
Bonn, Germany, August 30 - September 3, 1999
- 178 Polar Motion: Historical and Scientific Problems
Cagliari, Italy, September 27 - 30, 1999
- 179 Cyclical Evolution of Solar Magnetic Fields: Advances in Theory and
Observation. Kodaikanal, India, December 13-16, 1999
- 180 Towards Models and Constants for Sub-Microarcsecond Astrometry
Washington, DC, USA, March 20-25, 2000
- 181 Dust in the Solar System and other Planetary Systems
Canterbury, UK, 10-14 April, 2000

Regional Meeting

IXth Latin American Regional Meeting in Astronomy
Tonantzintla, Puebla, Mexico, November 9-13, 1998

Special Education Workshop

IAU-COSPAR-UN Special Workshop on Education at UNISPACE III
Vienna, Austria, July 20-22, 1999

Co-Sponsored Meetings

32nd COSPAR Scientific Assembly and Associated Events
July 12-19, 1998, Nagoya, Japan

IMPACT Workshop
June 1-4, 1999, Turino, Italy

Publications

IAU Information Bulletin, seven issues, Nos. 81-87

Transactions of the International Astronomical Union vol. XXIII A
Ed. I. Appenzeller, Kluwer Academic Publishers, Dordrecht, 1997

Highlights of Astronomy, Vol 11A+B
Ed. J. Andersen, Kluwer Academic Publishers, Dordrecht, 1998

Transactions of the International Astronomical Union, Vol. XXIII B
Ed. J. Andersen, Kluwer Academic Publishers, Dordrecht, 1999

Symposia*

Volumes 178-194 have been published

Colloquia*

Volumes 161-167, 169-172 have been published

Regional Meetings*

The 8th Latin American Regional Meeting of Astronomy have been published

The 7th Asian-Pacific Regional Astronomy Meeting have been published

* Full information has been given in previous issues of this Information Bulletin and may be found on the IAU web page (www.iau.org).

9.5. Educational Activities

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. During the 1997-1999 triennium, 37 grants totaling ~68,700 CHF were awarded to astronomers on this programme.

IAU-UNESCO International Schools for Young Astronomers (ISYA's)

The following ISYA's took place during the triennium:

23rd ISYA Zanjan, Iran, July 4-23, 1997

24th ISYA Bucharest, Romania, July 26-August 14, 1999

The Teaching for Astronomy Development (TAD) Programme

The recently instituted Teaching for Astronomy Development (TAD) programme helps to build up astronomy education at the university level, including education of future teachers at the high school level, in countries where astronomy has not existed before or been dormant, and which have requested such help. Programs for specific countries extend over a few years and comprise periodical visits by lecturers, support for local or regional meetings, and grants for educational equipment.

The majority of activities under the TAD programme have been focused on Vietnam, Central America, and Morocco (see previous IBs for details). They have been supported in part by UNESCO.

9.6. Relations to Other Organisations

ICSU

The IAU was represented by the General Secretary at the following meetings:

Meeting of the Standing Committee on Membership, Structure and Statutes (SCMSS), Paris, October 1-3, 1997 & April 13, 1999

37th General Committee, Vienna, Austria, April 23-24, 1998

Extraordinary Session of the General Assembly, Vienna, Austria, April 25, 1998

26th General Assembly, Cairo, Egypt, September 20-30, 1999.

The IAU was represented by J. Fierro at the Conference on the Programme for Capacity Building in Science, June 24-25, 1999, organised in conjunction with the ICSU/UNESCO World Conference on Science in Budapest, Hungary, in June, 1999.

COSPAR

The IAU was represented by the General Secretary at the following meetings:

59th Bureau, March 19, 1999, Paris 60th Bureau, March 31-April 1, 2000, Paris

The IAU was represented by A.A. Boyarchuk at the 32nd Council, Nagoya, Japan, July 12-19, 1998

UN-COPUOS

The IAU was represented by the General Secretary at the meetings of the UN Committee on the Peaceful Uses of Outer Space (COPUOS), held February 20-24, 1999 and July 18, 1999

UNISPACE III

The IAU was represented by the General Secretary at UNISPACE III, Vienna, July 19-30, 1999, and organised two events under the Technical Forum accompanying the Conference: Symposium 196 on Preserving the Astronomical Sky, Vienna, July 12-16, 1999 and the Special Educational Workshop: Capacity Building in Astronomy and Basic Space Science, Vienna, July 20-22, 1999, with COSPAR and UN.

UN-ESA

The IAU was represented by the General Secretary at the Eighth UN/ESA Workshop on Basic Space Science held in Jordan, March 13-17, 1999.

10. OTHER MEETINGS ON ASTRONOMICAL TOPICS

31ST MEETING OF THE SOLAR PHYSICS DIVISION OF THE AAS

June 19 - 22, 2000, Stateline NV, USA

Contact: Janet Biggs, Lockheed Martin Corp., 3251 Hanover St., Palo Alto CA 94304, USA

Tel: 1 650 424 2553 Fax: 1 650 424 3548

Email: janet.a.biggs(@)lmco.com

NUCLEI IN THE COSMOS 2000 CONFERENCE

June 27 - July 1, 2000, Aarhus, Denmark

Contact: J. Christensen-Dalsgaard, K. Langanke, University of Aarhus Ny Munkegade Bld. 520, DK-8000 Aarhus, Denmark

Tel: 45 89 42 3614 or 45 89 3671 Fax: 45 86 12 0740

Email: jcd(@)obs.aau.dk, langanke(@)jifa.au.dk

FOURTH BIENNIAL HISTORY OF ASTRONOMY WORKSHOP

July 1 - 4, 2000, Notre Dame IN, USA

Contact: Michael J. Crowe, Program of Liberal Studies, Univ. of Notre Dame, Notre Dame IN 46556, USA

Tel: 1 219 631 6212 Email: Michael.J.Crowe.1(@)nd.edu

THE PHYSICS OF GALAXY FORMATION

July 3 - 7, 2000, Tsukuba, Japan

Contact: Masayuki Umemura, Center for Computational Physics, Univ. of Tsukuba, Ten-nodai 1-1-1, Tsukuba, Ibaraki 305-8577, Japan

Tel.: 81 298 53 6494 Fax: 81 298 53 6489

Email: gf2000(@)rccp.tsukuba.ac.jp

US-EUROPEAN CELESTIAL MECHANICS WORKSHOP

July 3 - 7, 2000, Poznan, Poland

Contact: Prof. Edwin Wnuk, Astronomical Observatory, Adam Mickiewicz Univ., Słoneczna 36, PL-60286 Poznan, Poland

Fax: 48 618686511 Email: wnuk(@)juno.astro.amu.edu.pl or wnuk(@)amu.edu.pl

CONSTRUCTION THE UNIVERSE WITH CLUSTERS OF GALAXIES

July 4-8, 2000, Paris, France

Contact: Daniel Gerbal, Florence Durret or Brigitte Raban, Institut d'Astrophysique de Paris, 98bis Bd Arago, F-75014 Paris, France

Tel: 33 1 44 32 80 00 Fax: 33 1 44 32 80 01

Email: raban(@)iap.fr

CATASTROPHIC EVENTS AND MASS EXTINCTIONS: IMPACTS AND BEYOND

July 9 - 12, 2000, Vienna, Austria

Contact: Christian Koeberl, Inst of Geochemistry, Univ. of Vienna, Althansstrasse 14, A-1090 Wien, Austria

Tel: 43 1 31336 1714 Fax: 43 1 31336 781

Email: christian.koeberl(@)univie.ac.at

INTERACTING WINDS FROM MASSIVE STARS

July 10 - 14, 2000, Isles de la Madeleine, Quebec, Canada

Contact: Anthony Moffat, Univ. de Montreal, Dept. de Physique, C.P. 6128,

Succ. Centre-Ville, Montreal, QC H3C 3J7, Canada

Tel.: 1 514 343 6682 Fax: 1 514 343 2071

Email: Moffat(@)astro.umontreal.ca

ICEUM4: 4TH INTERNATIONAL CONFERENCE ON THE EXPLORATION AND UTILIZATION OF THE MOON

July 10 - 15, 2000, ESTEC, Noordwijk, The Netherlands

Contact: Bernard Foing, ESA Space Science Dept, ESTEC/SCI-SO Postbus 299, NL-2200 AG Noordwijk, The Netherlands

Tel.: 31 71 565 5647 Fax: 31 71 565 4697

Email: bfoing(@)estec.esa.nl

3RD INTERNATIONAL LISA SYMPOSIUM

July 11 - 14, 2000, Golm Bei Potsdam, Germany

Contact: Frau Ute Schmoelz, Max-Planck-Institut für Gravitationsphysik, Am Muehlenberg 1, D-14476, Golm, Germany

Tel: 49 331 567 7220 Fax: 49 331 567 7298

Email: ute(@)aei-potsdam.mpg.de

112TH ANNUAL MEETING OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC

July 13 - 19, 2000, Pasadena CA, USA

Contact: Laura Danly, University of Denver, 2112 East Wesley Avenue, Denver CO 80208, USA

Tel: 1 303 871 2268 Fax: 1 303 871 4405

Email: ldanly(@)du.edu

COSMOS IN THE CLASSROOM 2: THE TRIUMPHS AND TRIBULATIONS OF TEACHING

ASTRONOMY TO NON-SCIENCE MAJORS

July 17 - 19, 2000, Pasadena CA, USA

Contact: Andrew Fraknoi, Astronomical Society of the Pacific, 390 Ashton Ave., San Francisco CA 94127, USA

Tel.: 1 415 337 1100 Fax: 1 415 337 5205

Email: fraknoi(@)admin.fhda.edu

FROM DUST TO LIFE: SURVIVING THE FIRST BILLION YEARS OF THE SOLAR SYSTEM

July 17 - 19, 2000 Pasadena, CA, USA

Contact: Laura Danly, Denver Museum of Natural History, 2001 Colorado Blvd, Denver CO 80205 USA

Tel: 1 303 370 6139 Fax: 1 303 331 6491

E-mail: ldanly(@)dmnh.org

PHYSICS AT EXTREME ENERGIES: PARTICLE PHYSICS AND ASTROPHYSICS
July 19 - 25, 2000, Hanoi, Vietnam
Contact: Claude Barthelemy, Université Paris Sud, Bat 211, F-91405 Orsay, France
Tel.: 33 169 158 216 Fax: 33 169 290 550
Email: [claudе.barthelemy\(@\)th.u-psud.fr](mailto:claudе.barthelemy(@)th.u-psud.fr)

THE RESTLESS UNIVERSE (APPLICATIONS OF GRAVITATIONAL N-BODY
DYNAMICS TO PLANETARY, STELLAR AND GALACTIC SYSTEMS), NATO ASI
July 23 - August 5, 2000, Blair Atholl, UK
Contact: Bonnie Stevens, Dept of Mathematics, Glasgow Caledonian University,
Cowcaddens Road, Glasgow G4 0BA, Scotland, UK
Tel: 44 141 331 3619 Fax: 44 141 331 3608
Email: [bst\(@\)gcal.ac.uk](mailto:bst(@)gcal.ac.uk)

COSPAR COLLOQUIUM: THE OUTER HELIOSPHERE: THE NEXT FRONTIERS
July 24 - 28, 2000, Potsdam, Germany
Contact: Dr. Klaus Scherer, Max-Planck-Institut für Aeronomie, D-37191
Katlenburg-Lindau, Germany
Tel.: 49 5556 979 465 Fax: 49 5556 979 240
Email: [scherer\(@\)linmpi.mpg.de](mailto:scherer(@)linmpi.mpg.de)

17TH EUROPEAN COSMIC RAY SYMPOSIUM
July 24 - 28, 2000, Lodz, Poland
Contact: Wlodek Bednarek, Div. of Experimental Physics, Univ. of Lodz,
ul. Podmorska 149/153, PL-90-236 Lodz, Poland
Tel.: 48 42 6355 664
Email: [ecrs2000\(@\)kfd2.fic.uni.lodz.pl](mailto:ecrs2000(@)kfd2.fic.uni.lodz.pl)

MINING THE SKY
July 31 - August 4, 2000, Garching, Germany
Contact: Tony Banday, MPI für Astrophysik, Karl-Schwarzschildstrasse 1,
D-85740 Garching, Germany
Tel.: 49 89 3299 3231 Fax: 49 89 3299 3235
Email: [cosmo\(@\)mpa-garching.mpg.de](mailto:cosmo(@)mpa-garching.mpg.de)

SAKURAI'S OBJECT - WHAT HAVE WE LEARNED IN THE FIRST FIVE YEARS?
August 3 - 4, 2000, Keele, UK
Contact: Nye Evans, Keele Univ., Keele, Staffordshire ST5 5BG, UK
Tel.: 44 1782 583 342 Fax: 44 1782 711 093
Email: [ae\(@\)astro.keele.ac.uk](mailto:ae(@)astro.keele.ac.uk)

PARTICLES AND FIELDS IN RADIO GALAXIES
August 3 - 5, 2000, Oxford, UK
Contact: Robert Laing, Oxford Astrophysics, Keble Road, Oxford OX1 3RH, UK
Fax: 44 1865 273 390
Email: [orgw\(@\)astro.ox.ac.uk](mailto:orgw(@)astro.ox.ac.uk)

THE ENVIRONMENTS OF GALAXIES

August 11 - 12, Birmingham, UK

Contact: Duncan Forbes, Univ. of Birmingham, Birmingham B15 2TT, UK

Tel.: 44 121 414 6453 Fax: 44 121 414 3722

Email: workshop(@)star.sr.bham.ac.uk

P CYGNI 2000: 400 YEARS OF PROGRESS

August 21 - 23, 2000, Armagh, Northern Ireland, UK

Contact: M. de Groot, Armagh Observatory, College Hill, Armagh, BT61 9DG, Northern Ireland, UK

Tel: 44 28 37 522928 Fax: 44 28 37 527174

Email: mdg(@)star.arm.ac.uk

NEW ERA OF WIDE-FIELD ASTRONOMY

August 21 - 24, 2000, Preston, UK

Contact: Centre for Astrophysics, Attn: Dr. R.G. Crowes, University of Central Lancashire, Preston, PR1 2HE, UK

Tel: 44 1772 893540 Fax: 44 1772 892996

Email: r.g.clowers(@)uclan.ac.uk

THE INFLUENCE OF BINARIES ON STELLAR POPULATION STUDIES

August 21 - 25, 2000, Brussels, Belgium

Contact: Dany Vanbeveren, Astrophysical Institute, V.U.B., Pleinlaan 2, B-1050 Brussels, Belgium

Tel: 32 2 629 3459 Fax: 32 2 629 3614

Email: dvbevere(@)vub.ac.be

VC3: VICTORIA COMPUTATIONAL COSMOLOGY CONFERENCE

August 21-26, 2000, Victoria BC, Canada

Contact: Julio Navarro, University of Victoria, 3800 Finnerty Road, Victoria, BC V8R 5X4, Canada

Tel: 1 250 721 6644 Fax: 1 250 721 7715

Email: jfn(@)uvic.ca

ACTUAL ASTROPHYSICAL PROBLEMS - 150 YEARS A.K. KONONOVICH MEMORIAL CONFERENCE

August 21 - 26, 2000, Odessa, Ukraine

Contact: Prof. V.G. Karetnikov, Astronomical Observatory, Odessa State Univ., T.G. Shevchenko Park, Odessa 270014, Ukraine

Tel.: 380 482 220 396 Fax: 380 482 228 442

Email: astro(@)paco.odessa.ua

ETA CARINAE AND OTHER MYSTERIOUS STARS-HIDDEN OPPORTUNITIES FOR

EMISSION SPECTROSCOPY

August 24 - 26, 2000, Hven, Sweden

Contact: Sveneric Johansson, Dept. of Physics, Lund University, P.O. Box 118, Lund, Sweden S-221 00

Tel.: 46 46 126097 Fax: 46 45 2224709

Email: Haven2000(@)fysik.lu.se

METEORITICAL SOCIETY ANNUAL MEETING

August 28 - September 1, 2000, Chicago IL, USA

Contact: Andrew M. Davis, Dept. of Geophysical Sciences, Univ. of Chicago,
5734 South Ellis Ave, Chicago IL 70637, USA

Tel: 1 773 702 8164 Fax: 1 773 702 9505

Email: a-davis(@)uchicago.edu

RAHA2000-16TH INTERNATIONAL CONFERENCE ON HIGH RESOLUTION
MOLECULAR SPECTROSCOPY

September 3, 2000, Prague, Czech Republic

Contact: Dr. Stepan Urban, Academy of Sciences of the Czech Republic,
J. Heyrovsky Institute of Physical Chemistry, Dolejskova 3, CZ-18223, Praha 8
Czech Republic

Tel.: 420 2 6605 3635 Fax: 420 2 858 2307

Email: praha2k(@)jh-inst.cas.cz

4TH INTEGRAL WORKSHOP

September 4 - 8, 2000, Alicante, Spain

Contact: V. Reglero, Dept. of Astronomy and Astrophysics, Dr. Moliner 50,
E-46100 Burjassot, Spain

Tel: 34 96 398 3229 Fax: 34 96 398 3261

Email: loc(@)castor.daa.uv.es

X-RAY ASTRONOMY 2000

September 4 - 8, 2000, Palermo, Italy

Contact: D. Randazzo, Oss. Astronomico di Palermo, Piazza del Parlamento 1,
I-90134 Palermo, Italy

Tel: 39 091 233 243 Fax: 39 091 233 444

Email: xray2000(@)astropa.unipa.it

OBSERVATION, ANALYSIS AND THEORY OF ASTRONOMICAL AND
LABORATORY SPECTRA

September 6 - 9, 2000, Canterbury, UK

Contact: Dr Andrew M. Shaw, Chemistry Department, Stanford University, S.G. Mudd
Building, 333, Campus Drive, Stanford CA 94305-5080, USA

Tel.: 1 650 723 4335 Fax: 650 725 0259

Email: amshaw(@)stanford.edu

REGIONAL CONFERENCE ON ASTRONOMY (TUSI - 800)

September 6 - 8, 2000, Tabriz, Iran

Contact: Regional Conference on Astronomy, Center for Applied Physics and
Astronomical Research, Tabriz University, Tabriz, East - Azerbaijan, Iran

Tel: 98 41 342564 Fax: 98 41 347050

Email: rca(@)ark.tabrizu.ac.ir

IV SCIENTIFIC MEETING OF THE SPANISH ASTRONOMICAL SOCIETY

September 11-14, 2000, Santiago de Compostela, Spain

Contact: Dr. J.A. Docobo, Observatorio Astronomico "Ramon Maria Aller",
Univ. de Santiago de Compostela, P.O. Box 197, Santiago de Compostela, Spain

Tel: 34 981 59 27 47 Fax: 34 981 59 70 54

Email: oadoco(@)usc.es

20TH NSO/SACRAMENTO PEAK SUMMER WORKSHOP ON ADVANCED SOLAR
POLARIMETRY – THEORY, OBSERVATION AND INSTRUMENTATION

September 11 - 15, 2000, Sunspot NM, USA

Contact: Dr. Michael Sigwarth, National Solar Observatory, P.O. Box 62,
Sunspot NM 88349-0062, USA

Tel.: 1 505 434 7018 Fax: 1 505 434 7029

Email: sigwarth(@)sunspot.noao.edu

THIRD INTERNATIONAL CONFERENCE: "SPACE PROTECTION OF THE EARTH-
2000"

September 11-15, 2000, Evpatoriya, Crimea, Ukraine

Contact: Anatoly V. Zaitsev, Oleg N. Shubin, Lavochkin Association,
Leningradskoye Sh. 24, 141400 Khimki, Moscow region, Russia

Tel: 7 095 251 3569, 7 095 575 5294 Fax: 7 095 575 5294, 7 095 573 8710

Email: spe(@)berc.rssi.ru

SPACE AND TIME-REFERENCE SYSTEMS: J2000, A FUNDAMENTAL EPOCH
FOR ORIGINS OF REFERENCE SYSTEMS AND ASTRONOMICAL MODELS

September 18 – 20, 2000, Paris, France

Contact: Nicole Capitaine, Observatoire de Paris, DANOF, 61 avenue de
l'Observatoire, F-75014, Paris, France

Tel: 33 1 40 51 2291 Fax: 33 1 40 51 2291

Email: capitain(@)danof.obspm.fr

INTERNATIONAL METEOR CONFERENCE

September 21 - 24, 2000, Pucioasa, Romania

Contact: Ina Rendtel, IMO, Mehlbeerenweg 5, D-14469 Potsdam, Germany

Tel.: 49 331 520 707

Email: treasurer(@)imo.net

THE SIXTH INTERNATIONAL WEIN 2000 SYMPOSIUM

September 24 - 28, 2000, Heidelberg, Germany

Contact: Dr. H.V. Klapdor-Kleingrothaus, MPI f. Kernphysik, P.O. Box 103980,
D-69029 Heidelberg, Germany

Tel.: 49 6221 051 6262 Fax: 49 6221 051 6540

Email: klapdor(@)mickey.mpi-hd.mpg.de

THE FACES OF TIME

September 25 - 28, 2000, Varenna, Italy

Contact: Elio Sindoni, Univ. degli Studi di Milano-Bicocca, 15 Via Emanuelli,
I-20126 Milano, Italy

Tel.: 39 02644 74210 Fax: 39 02644 74212

Email: sindoni(@)disat.unimib.it, isplasma(@)tin.it

S-RAMP CONFERENCE

October 2 - 6, 2000, Sapporo, Japan

Contact: Y. Kamide, Solar-Terrestrial Environment Laboratory, Nagoya University

Honohara 3-13 Toyokawa, Aichi 442-8507, Japan

Tel.: 81 533 86 3154 Fax: 81 0533 86 0811

Email: s-ramp(@)kurasc.kyoto-u.ac.jp

SPIN AND MAGNETISM IN YOUNG NEUTRON STARS,

October 2 - 6, 2000, Santa Barbara CA, USA

Contact: Dorene Iverson, Institute for Theoretical Physics, Univ of California,

Santa Barbara CA 93106, USA

Tel.: 1 805 893 3178 Fax: 1 805 893 2431

Email: dorene(@)itp.ucsb.edu

THE 3-D HELIOSPHERE AT SOLAR MAXIMUM (34TH ESLAB SYMPOSIUM)

October 3 - 6, 2000, Noordwijk, The Netherlands

Contact: R.G. Marsden, SSD, ESTEC, P.O. Box 299, 2200 AG Noordwijk,
The Netherlands

Tel.: 31 71 565 3583 Fax: 31 71 565 4697

Email: rmarsden(@)estec.esa.nl

DEEP FIELDS

October 9 - 12, 2000, ESO Headquarters, Garching, Germany

Contact: Stefano Cristiani, Space Telescope European Coordinating Facility,

Karl Schwarzschild Str. 2, D-85748 Garching bei Muenchen, Germany

Tel.: 49 89 32006291 Fax: 49 89 32006480

THE NATURE OF GALACTIC HIGH-ENERGY GAMMA-RAY SOURCES

October 9 - 11, 2000, Tonantzintla, Puebla, Mexico

Contact: Alberto Carraminana, INAOE, Luis Enrique Erro 1, 72840 Tonantzintla,
Puebla, Mexico

Tel: 52 2 247 2011 Fax: 52 2 247 2231

Email: gamma00(@)inaoep.mx

MODES OF STAR FORMATION

October 9 - 13, 2000, Heidelberg, Germany

Contact: Eva K. Grebel, Max Planck Inst. for Astronomy, Koenigstuhl 17,

D-69117 Heidelberg, Germany

Tel: 49 6221 528 0 Fax: 49 6221 528 246

Email: grebel(@)mpia-hd.mpg.de

AUTOMATED DATA ANALYSIS IN ASTRONOMY

October 9 - 12, 2000, Pune, India

Contact: Ranjan Gupta, IUCAA, P.O. Box 4, Geneshkind, Pune, India

Tel.: 91 20 565 1414 Fax: 91 20 565 0760

Email: meet2000@iucaa.ernet.in

A CROSSROAD ON PHYSICS AND ECLIPSES OF THE SUN

October 14 - 15, 2000, Antwerp, Belgium

Contact: Patrick Poitevin, Solar Eclipse Mailing List, The Drift, Rowlands Castle, Havant, Hampshire PO9 6DG, UK

Tel.: 44 7901 514 097 Email: Patrick_Poitevin(@)Hotmail.com

GAMMA-RAY BURST IN THE AFTERGLOW ERA: 2ND WORKSHOP

October 17-20, 2000, Rome, Italy

Contact: Rome2000 GRB Workshop, IAS/CNR Area di Ricerca di Roma Tor Vergata, Via Fosso del Cavaliere 100, I-00133 Roma, Italy

Tel.: 39 06 4993 4100 Fax: 39 06 2066 0188

Email: roma2000(@)ias.rm.cnr.it

AAS / DIVISION FOR PLANETARY SCIENCES

October 23 - 27, 2000, Pasadena CA, USA

Contact: Rosaly Lopes-Gautier, JPL, 4800 Oak Grove Drive, Pasadena CA 91109, USA

Fax: 1 818 393 4605 Email: rlopes(@)lively.jpl.nasa.gov

MEETING OF THE HIGH ENERGY ASTROPHYSICS DIVISION (HEAD) OF THE AMERICAN ASTRONOMICAL SOCIETY

November 6 - 10, 2000, Honolulu HI, USA

Contact: Dr. John Vallergera, Eureka Scientific Inc., 2452 Delmer St., Suite 100, Oakland CA 94601-3017, USA

Tel: 1 510 530 1688 Fax: 1 510 530 2416

Email: head2k(@)netcom.com

ASTRONOMICAL DATA ANALYSIS SOFTWARE AND SYSTEMS X (ADASS X)

November 12 - 15, 2000, Boston MA, USA

Contact: P. Buckley, Smithsonian Astrophysical Observatory, 60 Garden St., MS-2, Cambridge MA 02138, USA

Tel.: 1 617 495 7290 Fax: 1 617 495 7356

Email: pbuckley(@)head-cfa.harvard.edu

EMISSION LINES FROM JET FLOWS

November 13 - 17, 2000

Contact: Luc Binette & Alex Raga, Instituto de Astronomia, UNAM, AP 70-264, Mexico DF 04510

Tel.: 52 5 622 4017 Fax: 1 209 396 8367

E-Mail: jet2000@astroscu.unam.mx

COSMIC EVOLUTION

November 13 - 18, 2000, Paris, France

Contact: Roger Ferlet, Institut d'Astrophysique de Paris, 98 bvd Arago, F-75014 Paris, France

Tel.: 33 144 32 80 74 Fax: 33 144 32 80 01

Email: ferlet(@)iap.fr

INTERNATIONAL SYMPOSIUM: ADAPTIVE OPTICS: FROM TELESCOPES TO THE HUMAN EYE

November 13 - 14, 2000, Murcia, Spain

Contact: Pablo Artal, Universidad de Murcia, Campus de Espinardo, E-30071 Murcia, Spain

Tel.: 34 968 367224 Fax: 34 968 363528

Email: pablo(@)fcu.um.es

INTERNATIONAL CONFERENCE ON SPACE OPTICS - ICSO 2000

December 5 -7, 2000, Toulouse Labège, France

Contact: Georges Otrio, Agence DAG-25, rue Saint Guilhem, F-31400 Toulouse, France

Tel: 33 561 251 500 Fax: 33 561 251 600

Email: icso(@)dag.fr

THE PROMISE OF FIRST

December 12 - 15, 2000, Toledo, Spain

Contact: Jose Cernicharo, CSIC, Dpto Física Molecular, C/Serrano 121, E-28006 Madrid, Spain

Tel.: 34 91 590 1611 Fax: 34 91 585 5185

Email: cerni(@)astro.iem.csic.es

QSO HOSTS AND THEIR ENVIRONMENTS

January 10 - 12, 2001, Granada, Spain

Contact: Isabel Marquez, IAA (CSIC), Camino Bajo de Huetor 24, E-18008 Granada, Spain

Tel.: 34 958 12 13 11 Fax: 34 958 81 45 30

Email: isabel(@)iaa.es

MAGNETIC FIELDS ACROSS THE HERTZSPRUNG-RUSSELL DIAGRAM

January 15-19, 2001, Santiago, Chile

Contact: Gautier Mathys, European Southern Observatory, Casilla 19001, Santiago 19, Chile

Tel.: 56 2 228 5006; 56 55 281 291 Fax: 56 2 228 5132; 56 55 285 064

Email: magfield(@)eso.org

NEW CENTURY OF X-RAY ASTRONOMY

March 6 - 8, 2001, Yokohama, Japan

Contact: Hideyo Kunieda, Institute of Space and Astronautical Science, 3-1-1 Yoshinodai,

Sagamihara, Kanagawa 229-8510, Japan

Fax: 81-42-759-8455 E-Mail Address: newcentx(@)astro.isas.ac.jp

JOINT SOHO-ACE WORKSHOP ON SOLAR AND GALACTIC COMPOSITION

March 6 - 9, 2001, Bern, Switzerland

Contact: Robert F. Wimmer-Schweingruber, Physikalisches Institut, Universitaets Bern, Sidlerstrasse 5, Bern, Switzerland

Tel.: 41 31 631 44 20 Fax: 41 31 631 44 05

Email: wimmer(@)phim.unibe.ch

EUROPEAN GEOPHYSICAL SOCIETY XXVI GENERAL ASSEMBLY

April 2 - 6, 2001, Vienna, Austria

Contact: EGS Office, Max-Planck-Str. 13, D-37191 Katlenburg-Lindau, Germany

Tel.: 49 5556 1440 Fax: 49 5556 4709

Email: EGS(@)COPERNICUS.ORG

SIXTH COMPTON SYMPOSIUM

April 4 - 6, 2001, Baltimore MD, USA

Contact: Sandra Barnes, NASA GSFC, Code 660, Greenbelt MD 20771, USA

Tel.: 1 301 286 7780 Fax: 1 301 286 1684

Email: barnes(@)grossc.gsfc.nasa.gov

ASTROPHYSICAL AGES AND TIME SCALES

February 5 - 9, 2001, Hilo, Hawaii, USA

Contact: Ted von Hippel, Gemini Observatory, 670 North A`ohoku Place, Hilo HI 96720, USA

Tel: 1-808-974-2500 Fax: 1-808-935-9650

Email: timescales(@)gemini.edu

VARIABLE STARS - 2001

August 20 - 24, 2001, Odessa, Ukraine

Contact: Valentin G.Karetnikov, Ivan L. Andronov, Astronomical Observatory, Odessa State Univ., T.G. Shevchenko Park, 65014 Odessa, Ukraine

Tel: 380 482 220 396 Fax: 380 482 228 442

Email: astro(@)paco.odessa.ua

THE EVOLUTION OF GALAXIES. II - BASIC BUILDING BLOCKS

October, 2001, St. Denis de la Reunion, France

Contact: Laurent Vigroux, CEA, Service d'Astrophysique, F- 91191 Gif-sur-Yvette, France

Tel.: 33 1 69 08 39 12 Fax: 33 1 69 08 65 77

Email: lvigroux(@)cea.fr

THE EVOLUTION OF GALAXIES. III - FROM SIMPLE APPROACHES TO SELF-CONSISTENT MODELS

May, 2002, Kiel, Germany

Contact: Gerhard Hensler, Universität Kiel, Olshausenstr. 40, D-24098 Kiel, Germany

Tel.: 49 431 880 4125 Fax: 49 431 880 4100

Email: hensler(@)astrophysik.uni-kiel.de

34TH COSPAR SCIENTIFIC ASSEMBLY

October, 2002, Houston TX, USA

Contact: COSPAR Secretariat, 51 Bd de Montmorency, F-75016 Paris, France

Tel.: 33 145 250 679 Fax: 33 140 509 827

Email: COSPAR(@)paris7.jussieu.fr