

AAS NEWSLETTER

A Publication for the members of the American Astronomical Society

August 2003
Issue 116

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President's Column

Caty Pilachowski, catyp@astro.indiana.edu

The AAS and Public Policy

The AAS efforts in public policy on behalf of the astronomical community are increasingly important to the Society and to its members. As the participation of the astronomical community in the public policy arena has grown, so has the range of activities and services coordinated or organized by the Society.

Much of the Society's public policy initiatives are overseen by the Committee on Astronomy and Public Policy (CAPP), currently chaired by Sidney Wolff. CAPP provides guidance to the AAS Council on public policy questions, as well as brings to Council issues that require the Society's attention. CAPP was established nearly 25 years ago, and members are appointed by the President, with the approval of the AAS Council.

Within the Executive Office, our Deputy Executive Officer, Kevin Marvel, coordinates all of our public policy activities. These include the action alerts and informational emails sent to members, the organization of public policy sessions at Society meetings, participation in Congressional Visits Day (see the article in the June issue of the *Newsletter* for more on the 2003 event), interaction with other scientific societies in the area of public policy, and assistance to members who are interested in developing connections to their Congressional representatives.

The AAS Council also plays an important role in the Society's public policy initiatives. At the Annual Members Meeting in Nashville in May, members had a chance to comment on an initiative brought to Council by one of its members, Ellen Zweibel, with the support of many other members of Council, that the Society make a public statement on the issue of global climate change. The Society, through the Division for Planetary Sciences (DPS) and the Solar Physics Division (SPD), has important and relevant expertise to contribute to the debate on climate change, and as scientists, we have a responsibility to contribute. At this time the American Geophysical Union is developing a new statement on climate change, and the Society has asked the AGU if we can jointly participate in the

development of the new statement. Both the DPS and the SPD have suggested names of scientists to serve on the AGU panel. When the AGU statement is drafted, the Society can then consider whether we wish to endorse or even co-sign a joint statement on climate change. Members in Nashville strongly supported this direction for the Society, and the dialogue will continue as the AGU statement is brought to Council and to members for discussion. As that time draws nearer, we will seek further input and guidance from members on this important issue.

Given the importance of the Society's public policy statements, Council also initiated and approved a

continued on page 3

2003 AAS Elections Preliminary Slate

Vice-President

Wallace L. W. Sargent
Guiuseppina Fabbiano

Secretary

John A. Graham

Councilors

Jill Bechtold
Karen S. Bjorkman
Harvey B. Richer
Ata Sarajedini
Alan M. Title
Greg B. Taylor

USNC-IAU, Cat. I

Edward F. Guinan
Rolf Kudritzki

Nominating Committee

Timothy S. Bastian
John R. Dickel
Melissa McGrath
Lee G. Mundy

Additional nominations for Officer or Councilor may be submitted by mail and must be accompanied by a written statement from the nominee indicating a willingness to serve and by the signatures of at least 30 voting Full Members of the Society.

All nominations and supporting materials must be received by **Monday, 15 September 2003** in the Office of the Secretary. Send nominations to: Arlo U. Landolt, Louisiana State University, Department of Physics and Astronomy, Baton Rouge, LA 70803-4001.

AAS Executive Office Staff

Robert W. Milkey, Executive Officer
Kevin B. Marvel, Deputy Executive Officer
Diana T. Alexander, Conference Coordinator
Dawn-Marie Craig, Publications Assistant
Susana E. Deustua, Director, Educational Activities
Zuzana Kelyman, Registration Coordinator
Judith M. Johnson, Publications Coordinator
Shantice Jones, Member Services Specialist
Debbie L. Kovalsky, Information Systems Manager
Natalie Patterson, Financial Assistant
Dennis W. Renner, Membership Coordinator
Crystal M. Tinch, Membership Communications

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POSTMASTER: Send address changes to AAS, 2000 Florida Avenue, NW, Suite 400, Washington, DC 20009-1231.

Items of general interest to be considered for publication in the *AAS Newsletter* should be sent to crystal@aas.org. Appropriate pictures are welcomed. For further information about deadlines and submitting articles, see www.aas.org/publications/newsletter.html. Items submitted to the *AAS Newsletter* are not automatically included in the AAS Electronic Announcements or vice versa. Submit electronic announcement items to ela@aas.org.

Kevin B. Marvel, AAS Publications Manager
Robert W. Milkey, Editor
Crystal M. Tinch, Associate Editor
Jeff Linsky, U. Colorado, Associate Editor, Letters

Manuscript Submissions Using AASTeX

The *AJ* and *ApJ* accept manuscripts electronically that are prepared using the AASTeX manuscript package. Following are some important addresses for obtaining information about AASTeX and electronic submission.

AASTeX Homepage:

www.journals.uchicago.edu/AAS/AASTeX

User Support: aastex-help@aas.org

Journal Homepages/Manuscript

Submission: *AJ*, *ApJ*, *ApJL*

www.journals.uchicago.edu/ApJ/information.html



Press Conference Tapes, DVDs Available

The five press conferences at the Nashville meeting are available in VHS and DVD format from Tennessee State University. For the topics of the briefings, see

www.aas.org/meetings/press. For details on availability, contact Geoffrey Burks at burks@coe.tsuniv.edu. Note that the AAS organizes briefings, but does not endorse the individual reports of discoveries.



Billy Taylor (left) and Geoffrey Burks (both, Tennessee State U.) videotaped the press conferences in Nashville. AAS photo by Richard Dreiser, © 2003 American Astronomical Society.

"Turn Off Your Cell Phone" Contest!!

The AAS is seeking PowerPoint slides to remind members to turn off their cell phones before oral sessions. PowerPoint slides should be humorous and astronomically themed. Three slides will be chosen and run throughout AAS meetings; and winners will receive a banquet ticket for themselves or a guest at any 2004 AAS Meeting Banquet.

Submit slides as an attachment to contest@aas.org by Friday, October 31, 2003. Winners will be announced in the December *Newsletter*.

Member Deaths Noted

Since the June *AAS Newsletter*, the Society is saddened to learn of the deaths of the following members, former members and affiliate members:

Gerald Hawkins

Ludwig F. Oster

Letters to the Editor

Letters to the Editor on current issues of importance to astronomers are welcomed. Letters must be signed and should not exceed 250 words. Send to Jeff Linsky, Associate Editor, Letters, (jlinsky@jila.colorado.edu; 303-492-7838 phone; or 303-492-5235 fax) one week prior to the *AAS Newsletter* deadline. Letters may be edited for clarity/length (authors will be consulted) and will be published at the discretion of the Editors.

Correction

In the June 2003 (Issue 115) the Calendar listing "Massive Stars in Interacting Binaries, 16–20 August 2003 — Quebec province, Canada" has the wrong year listed. The correct year is 2004.

In the same issue (page 19), Bill Evans was incorrectly identified as Congressman John Linder.

Council Actions

Taken at the 202nd Meeting of the Council of the American Astronomical Society in Nashville, Tennessee, 25 May 2003

- Adopt the Minutes of the AAS Council's 201st meeting (Seattle, Washington), as distributed.
- Approved Executive Committee actions taken between 5 January 2003 and 25 May 2003.
- Authorized the Executive Committee to decide upon either Phoenix, AZ or Long Beach, CA for the January AAS meeting sites in 2009 and 2013.
- Decided that the AAS will hold its winter meetings in Seattle in January 2011 and January 2015.
- Delegated to the Executive Committee the task of selecting an Auditor for 2003 once the bids have been received from potential audit firms.
- Approved the 2004 budget as presented.
- Accepted the Annual Report of the Investment Advisory Committee.
- Approved establishment of a bank account for the Division of Dynamical Astronomy at the Riggs Bank in Washington, D.C.
- Accepted the results of the AAS's 2003 election.
- Accepted the election of the new members, David S. DeYoung and Andrea K. Dupree, to the AAS's 2003 Nominating Committee.
- Appointed Catherine A. Pilachowski, Robert P. Kirshner, Joseph A. Burns, Pierre Demarque, L. V. Kuhl, A. U. Landolt, and R. W. Milkey to the 2003/04 Executive Committee as described in Bylaws, Article VI. 2.
- Approved use of up to \$10,000 income from the Brown Fund over the 2003, 2004 and 2005 budget year to aid the Mt. Stromlo library, recently devastated by fire.
- Decided that no prize or award committee member be eligible for a prize or award from the prize or award committee on which they were serving while on that committee.
- Accepted the 2002 Audit Report.
- Appointed Jay M. Pasachoff as the AAS's representative to the American Association for the Advancement of Science (AAAS) for the time interval February 2004 to February 2007.
- Approved the draft resolution "Approval Process for AAS Public Statements."
- Adopted the Annual Reports under the purview of the Education Officer.
- Adopted the Annual Report from the Committee on Astronomy and Public Policy (CAPP).
- Funded a Congressional Visits Day intern for 2004.
- Re-affirmed the postdoc hiring deadline of February 15th.
- Approved changes in the Historical Astronomy Division (HAD) Bylaws.
- Made the Committee on the Status of Minorities in Astronomy (CSMA) a permanent AAS committee.
- Made the Working Group on Professional-Amateur Collaboration (WGPAC) a permanent working group to the extent permitted under the Bylaws.

- Adopted all Committee and Working Group Annual Reports [Committee on Status of Women, Committee on Status of Minorities, Shapley Lecturer Program, Working Group on Astronomical Software (WGAS), Working Group on Astronomy Education (WGAE), and Working Group on Professional-Amateur Collaboration (WGPAC)] which had been received.
- Adopted the Annual Reports from the AAS Divisions [DDA, DPS, HAD, HEAD, and SPD].



Gunn Receives Weber Award

The first annual AAS Weber Award was presented to Prof. James E. Gunn in May 2002 at Peyton Hall, Princeton University. The award recognized the lifelong work of Gunn in Astronomy and in particular his efforts to advance astronomical instrumentation such as the Sloan Digital Sky Survey.

"I would like to thank the AAS for considering me worthy of the first receipt of this award for instrumentation, but especially for its establishment. I have been a champion for many years of those in the field who devote their time and considerable talents to the development of instruments which benefit us all, and it is extremely gratifying to see a major AAS award established to recognize those efforts. I hope in the future that the award committee will use this to encourage and further the careers of able and enthusiastic people far younger than I, who are in a position still to make major contributions," Gunn said.

The award ceremony was followed by a reception attended by the members of the astronomy community at Princeton University, the Institute of Advance Study, and by James Gunn's family.

President's Column continued from front page

procedure for adopting new policy statements. This procedure was reviewed carefully by CAPP and by Council, and finally approved by Council in Nashville. Council also asked CAPP to review the Society's current policy statements to determine which are still relevant, and which should be "retired." Following recommendations by CAPP, the Council reestablished the current public policy statements of the Society. The Society's public statements and the procedure for adopting new public statements can be found on the AAS website at www.aas.org/governance/council/resolutions.html.

2004 AAS Prize Nomination Form

Please read the full descriptions of the AAS prizes and awards www.aas.org or abbreviated information on page 12 of the 2003 AAS Membership Directory. All nominations are due by **1 October 2003**.

I wish to nominate (Name) _____
of (Institution) _____

for the following prize (check one):

Russell Lectureship Warner Prize Pierce Prize Education Prize
 Van Biesbroeck Prize Heineman Prize Weber Award Tinsley Prize

Please send to the *Prize Chair* (below) a letter with this form stating upon which major scientific achievements you base your belief that this person is a suitable candidate for the prize. Enclose a curriculum vitae of the nominee, bibliography and abstracts of three papers illustrative of the candidate's merit, and request that three supporting letters also be sent to the Chair.

Print Your Name _____ Signature _____
Phone Number _____ Email Address _____

Return this form to the appropriate prize committee chair:

Russell Lectureship

Andrea K. Dupree
SAO60
Garden St.
MS-51
Cambridge, MA 02138
Tel: 617-495-7489
Fax: 617-495-7049
dupree@cfa.harvard.edu

Warner/Pierce Prize

Leo Blitz
University of California
Radio Astronomy Lab
633 Campbell Hall
Berkeley, CA 94720-3411
Tel: 510-643-3000
Fax: 510-642-3411
blitz@gmc.berkeley.edu

Education Prize

Catharine Garmany
Columbia University
32540 S. Biosphere Rd.
P.O. Box 689
Oracle, AZ 85623
Tel: 520-896-6351
katy@astro.bio2.edu

Tinsley Prize

Angela V. Olinto
University of Chicago
Dept. of Astronomy &
Astrophysics
5640 S. Ellis Ave.
Chicago, IL 60637
Tel: 773-702-8206
Fax: 773-702-8212
olinto@oddjob.uchicago.edu

Van Biesbroeck Prize

Paula Szkody
University of Washington
Dept. of Astronomy
Box 351580
Seattle, WA 98195
Tel: 206-543-1988
Fax: 206-685-0403
szkody@astro.washington.edu

Heineman Prize

Roger Chevalier
University of Virginia
Dept. of Astronomy
P.O. Box 3818
Charlottesville, VA 22903
Tel: 434-924-4889
Fax: 434-924-3104
rac5x@virginia.edu

Weber Award

Judith G. Cohen
Caltech
Palomar Obs.
105-24 Robinson
Pasadena, CA 91125
Tel: 626-395-4005
Fax: 626-568-1517
jlc@astro.caltech.edu

News from the Publications Board

Owens Honored for Work on AAS Journals

Evan Owens, formerly at the University of Chicago Press and currently with JSTOR, was honored with the 2003 PAM Division Award, by the Physics-Astronomy-Mathematics Division of the Special Libraries Association. This award recognizes Owens' contributions to the introduction of electronic versions of the AAS Journals beginning in 1995, "at a time when the e-journal idea was merely a glimmer" for other publishers. He is especially credited for maintaining communications with the librarians during the development process. This is the second PAM Division Award related to the development of the AAS Journals; Peter Boyce was so honored in 1999.

Kennicutt to Continue as ApJ Editor in Chief

Upon recommendation of the AAS Publications Board the AAS Council extended, by unanimous action, the appointment of Prof. Robert C. Kennicutt Jr. as Editor in Chief of *The Astrophysical Journal* and *The Astrophysical Journal Supplement* for an additional three year term, or through 31 December 2006. The Society is extremely grateful for the care and thoughtfulness that he has shown during his initial term as Editor in Chief. The success of any journal is directly attributable to the quality of the editorial staff and under Dr. Kennicutt's leadership the *ApJ* has remained at the leading edge of astronomical publications.

AAS Small Research Grants 2003

- **Timothy Barker**, (Wheaton College), “Upgraded CCD Cameras for Student/Faculty Research Projects”
- **Travis Barman**, (Wichita State University), “Modeling the Surface Flux of Extrasolar Giant Planets”
- **Juan Cabanela**, (Haverford College), “The Spatial Distribution of LSBs in the Pisces-Perseus Supercluster”
- **Angela Cotera**, (Arizona State University), “A NIR Study of the IMF in Young Stellar Clusters”
- **Richard Ditteon**, (Rose Hulman Institute of Technology), “Purchasing Telescope Time for Asteroid Photometry”
- **Nicholas Elias**, (Ball Aerospace & Technology Corporation), “Optical Interferometry Theory”
- **Annette Ferguson**, (MPIfA), “Searching for the Thick Disk/Spheroid in M33”
- **Dawn Gelino**, (UCSD/CASS), “Measuring the Masses of Black Holes in Low Mass X-Ray Binaries”
- **Alister Graham**, (University of Florida), “Fundamental New Insights Into Galaxy Structure”
- **Albert Grauer**, (University of Arkansas), “Optics for the NFO WebScope”
- **Mark Hammergren**, (Adler Planetarium and Astronomy Museum), “Active Public Participation in the Follow-up and Characterization of Potentially Hazardous Asteroids”
- **Paul Heckert**, (Western Carolina University), “2003 Observations of Short Period Eclipsing RS CVn Systems”
- **Michael Jone**, (Brigham Young University), “H-alpha Filters for a Robotic Survey Telescope”
- **Atsuko Kleinman**, (Apache Point Observatory), “White Dwarf Asteroseismology Project using the UV HST Data”
- **Douglas Leonard**, (University of Massachusetts), “Supernovae Explosions”
- **Michael Liu**, (Institute for Astronomy), “A Methane-Break Search for Young Jovian-Mass Objects”
- **Murugesapillai Maheswaran**, (University of Wisconsin, Marathon County), “Page Charges for Magnetic Rotator Winds and Keplerian Disks of Hot Stars”
- **Anthony Mallama**, (Raytheon Technical Services Company), “Replacement Equipment for Galilean Satellite Eclipse Photometry”
- **Janet Mattei**, (AAVSO), “Digital Preservation, Evaluation, Analysis and Dissemination of Over 250000 Variable Star Obs.”
- **Travis Metcalfe**, (White Dwarf Research Corporation), “An Empirical Test of White Dwarf Crystallization Theory”
- **Nancy Morrison**, (University of Toledo), “High-Performance CCD Camera for Ritter Observatory”
- **James Neff**, (College of Charleston), “Advanced Spectroscopic Techniques to Probe Circumstellar Material and Stellar Activity”
- **Randy Phelps**, (California State University at Sacramento), “Searching for Outflows and Their Driving Sources in Young Stellar Clusters”
- **B. Piner**, (Whittier College), “The Maximum Speeds of Blazar Jets”
- **Elisha Polomski**, (University of Minnesota), “IRTF Observations”
- **Lisa Prato**, (UCLA), “Funding for Keck Observatory Observing Run”
- **Mike Reed**, (SW Missouri State University), “Observations of Pulsating Subdwarf B Stars”
- **Ronald Samec**, (Bob Jones University), “Filter Wheel/UBVRI Standard Filter Set for Undergraduate Research Project” and “Travel Support for CTIO Observing Run”
- **W. Shane**, (Monterey Institute for Research in Astronomy), “CCD Camera Purchase”
- **David Trilling**, (University of Pennsylvania), “Observations and Data Analysis with the Deep Ecliptic Survey Team”

2004 Membership Dues & Subscription Rates

Membership Categories	2004 Dues
Full Member	\$115
Associate Member	115
Junior Member (for first two years)	40
Emeritus Member, promoted after 1 January 1998	58
Emeritus Member, promoted before 1 January 1998	waived

Division Dues (Tentative)	AAS Member	Division Affiliate
Solar Physics Division	\$8	\$10
Division for Planetary Sciences	15	20
Division for Planetary Sciences Student (for first two years)	10	n/a
Division on Dynamical Astronomy	10	15
High Energy Astrophysics Division	6	n/a
Historical Astronomy Division	8	10

2004 Membership Subscriptions (Domestic)

For foreign shipping options, contact AAS Membership Department	
<i>ApJ</i> , <i>ApJ Supplement</i> & <i>Astronomical Journal</i> “Electronic Package”	\$50
<i>Astrophysical Journal (ApJ)</i> : Paper only	275
“Electronic Package” and Paper <i>ApJ</i>	300
<i>ApJ Supplement (ApJS)</i> : Paper only	55
<i>Astronomical Journal (AJ)</i> : Paper only	100
“Electronic Package” and Paper <i>ApJ</i>	130
<i>Bulletin of the AAS (BAAS)</i> : Paper only	30

Note: Members desiring paper and electronic access to more than one journal should subscribe to the “Electronic Package” with Paper option for one of the journals and the “Paper Only” option for the other(s).

2002 AAS Fiscal Report

The firm of McGladrey & Pullen audited the accounts of the Society for the year ending 31 December 2002. This audit was conducted in accordance with generally accepted auditing standards, and indicated no material problems while confirming that the AAS was in compliance with the required provisions. This report was submitted to and accepted by the Council at its meeting on 25 May 2003. The audit did not identify any significant problems or deficiencies in the AAS accounting procedures.

The Society reports its finances in six categories (see Table I) according to the nature of the activities and the source of the revenues:

(1) General Programs: This includes the Society's general operations and administration. In addition, the General Fund covers the income and expenses of all Society programs including educational and public policy activities, and meetings. Also under this heading are the general publications handled by the Executive Office, including the *AAS Newsletter*, the *AAS Job Register*, and the *AAS Membership Directory*.

(2) Journals: Each of the journals published by the AAS is operated as a distinct cost center. AAS bylaws, Article VIII.3, mandate that each Journal maintain a reserve fund equal or above the level of onehalf of the annual operating expenses. At the close 2002, each of the AAS journals had reserve funds above this level:

<i>The Astrophysical Journal & Supplement</i>	\$ 3,093,397
<i>The Astronomical Journal</i>	\$ 1,136,669
<i>The Bulletin of the AAS</i>	\$ 325,022

At the close of 2002 the reserve fund for long-term maintenance of the journal electronic archives had reached a balance of \$208,296. To date, nothing has been withdrawn from this fund. In 2002, the journal operating funds contributed \$40,000 to this fund and the investment earnings added to the accumulation.

(3) Divisions: These comprise the finances of the five AAS Divisions and their related prizes. The Divisions legally fall under the oversight and fiscal responsibility of the AAS Council, but the each Divisional Committee makes the financial decisions of its Division, and the fiscal details are reported directly to the members of the Division. The figures in Table I reflect the sum of all Division funds held both by the Division Treasurers and on their behalf by the Society Treasurer. Most of the fluctuations in their income and expense levels can be attributed to the timing and size of annual meetings and prize awards.

(4) Bequests and Memorials: These include the AAS prizes and other funds established by gifts and bequests to the Society. The timing of the actual awarding of the various prizes causes the fluctuations in expenses between successive fiscal years. The balances of the principle funds on 31 December 2002 were:

Russell Lectureship	\$ 168,878
Warner Prize	\$ 49,481
Pierce Prize	\$ 105,471
Tinsley Prize	\$ 52,506
Van Biesbroeck Prize	\$ 54,474
Education Prize*	\$102,644

* Including Wentzel endowment.

(5) Grants and Contracts: Two categories include, respectively, grants from Federal and non-Federal sources, specifically:

The NASA Electronic Publishing grant,
The NASA Supported AAS Small Research Grant program,
The NSF International Travel Grant program,
The NSF supplement to the Bok and Lines Awards for students at the International Science and Engineering Fair,
and
The AAS Funds used to supplement the Small Research Grants.

(6) Other: This includes the General Operating Reserve and accounts for the Shapley Visiting Lecturer Program, the Equipment Replacement Fund, and a variety of other special purpose funds. Of special interest is the fund balance for the Shapley Lecture Program of \$519,398

Summary

The overall financial picture for the Society remains very good. Net assets decreased by \$114,892, entirely due to an unrealized loss of \$172,316 in the market value of securities in which the reserve funds are invested. This is quite a modest loss on a fund that approaches \$8 million in total, considering the performance of the markets during 2002.

The budget for General Programs was adversely impacted by legal and accounting fees related to the resolution of the tax issues originally described in 2001. The AAS Journals finished with a positive bottom line and outperformed the budget by a significant margin.

Table I gives a comparative summary of activities and change of net assets of the AAS for 2001 and 2002.

Table II contains a summary of the AAS Balance Sheet as of 31 December 2001 and 31 December 2002.

Table I. Statement of Income and Expense for 2001 and 2002

	2001			2002		
	Unrestricted	Restricted	Total	Unrestricted	Restricted	Total
Revenue						
General programs	\$ 1,347,862	-	\$ 1,347,862	\$ 1,453,670	-	\$ 1,453,670
Journals	6,865,490	-	6,865,490	6,672,507	-	6,672,507
Divisions	255,792	21,569	277,361	191,430	44,463	235,893
Bequests and Memorials	20,000	156,446	176,446	20,000	15,255	35,255
Grants and Contracts	262,971	-	262,971	257,980	-	257,980
Other	107,003	129,041	236,044	(2,247)	16,321	14,074
Released from restrictions	63,919	(63,919)	-	47,422	(47,422)	-
Total revenue	\$ 8,923,037	243,137	9,166,174	\$ 8,640,762	28,617	\$ 8,669,379
Expenses						
General Programs	\$ 1,299,823	-	\$ 1,299,823	\$ 1,781,533	-	\$ 1,781,533
Journals	6,592,873	-	6,592,873	6,413,126	-	6,413,126
Divisions	211,498	-	211,498	259,448	-	259,448
Bequests and Memorials	38,443	-	38,443	41,008	-	41,008
Grants and Contracts	291,846	-	291,846	258,430	-	258,430
Other	40,131	-	40,131	30,726	-	30,726
Total expenses	\$ 8,474,614	-	8,474,614	8,784,271	-	8,784,271
Changes in net assets - Before tax adjustment	\$ 448,423	\$ 243,137	\$ 691,560	(143,509)	28,617	(114,892)
Tax Adjustment*	\$ 302,606	-	\$ 302,606	-	-	-
Change in Net Assets	\$ 145,817	\$ 243,137	\$ 388,954	(143,509)	28,617	(114,892)
Net assets						
Beginning of year	\$ 6,281,356	\$ 1,339,740	\$ 7,621,096	\$ 6,427,173	\$ 1,582,877	\$ 8,010,050
End of year	\$ 6,427,173	1,582,877	8,010,050	\$ 6,283,664	\$ 1,611,494	\$ 7,895,158

* Accounts for an unrecorded prior year payroll tax liability. See 2001 report for explanation.

Table II. Balance Sheet for 31 December 2001/2002

	<u>2001</u>	<u>2002</u>
Total Assets	\$ 11,074,764	\$ 10,533,183
Current Assets	3,059,808	2,869,117
Fixed Assets	94,846	81,439
Other Assets	7,920,110	7,582,627
Total Liabilities	\$ 3,064,714	\$ 2,638,025
Current Liabilities	1,233,423	\$ 507,163
Deferred Revenue	1,831,291	2,130,862
Net Assets	\$ 8,010,050	\$ 7,895,158
Unrestricted	6,427,173	6,283,664
Temporarily restricted	1,140,446	1,153,412
Permanently restricted	442,431	458,082
Liabilities & Net Assets	\$ 11,074,764	\$ 10,533,183

News from NSF Division of Astronomical Sciences

Eileen D. Friel, Executive Officer, Division of Astronomical Sciences, efriel@nsf.gov

2003 NSF CAREER Awards

The Division of Astronomical Sciences at the National Science Foundation has announced their Faculty Early Career Development (CAREER) awards for FY2003. This NSF-wide program recognizes and supports the early career development activities of those teacher-scholars who are most likely to become the academic leaders of the 21st century. CAREER awardees are selected on the basis of creative, career development plans that effectively integrate research and education within the context of the mission of their institution. As of press time, six awards had been made.

Tom Abel - Pennsylvania State University
"Stars and Galaxies in the First Billion Years of the Universe"

Jason Glenn - University of Colorado Boulder
"Millimeter-Wave Instrumentation Development for Measuring the Redshifts of Submillimeter Galaxies"

Jeremy King - Clemson University
"Detailed Chemical Abundances in Galactic Star Clusters—Fundamental Astronomy and Education Inside and Outside Closed Boxes"

Andrey Kravtsov - University of Chicago
"Simulations of galaxy and cluster formation: the new frontiers"

Nancy Levenson - University of Kentucky
"Obscuration of Active Galactic Nuclei and the Starburst Connection"

Sally Oey - Lowell Observatory
"Chemical Enrichment: A Component of Massive Star Feedback Processes"

Come Visit NSF

The Division of Astronomical Sciences welcomes visitors to NSF. If you happen to be in the Washington area, we encourage you to consider stopping by NSF to give a talk about your recent research results or your educational activities. AST scientific staff welcome the opportunity to learn of progress and plans in all fields of astronomical research and instrumentation. If a talk would not be in conflict with proposals under consideration, and you are interested in arranging a visit to talk with us, please contact Dr. Eileen Friel (efriel@nsf.gov or 703-292-4895).

Astrophysical Journal Seeks Scientific Editor

The AAS is soliciting applications for a Scientific Editor of *The Astrophysical Journal (ApJ)*. The *ApJ* Scientific Editors play a vital role in maintaining the high scientific standards of the Journal. Each editor oversees the peer review of 150-200 papers per year, and together with the other editors advises the Editor-in-Chief on issues of general editorial policy. Appointments are for terms of three years, subject to approval by the AAS Publications Board and the AAS Council, with an option for a second term at the discretion of the Editor-in-Chief. The term for this appointment would begin in January 2004.

For this appointment we are seeking an editor who can oversee the review of manuscripts in theoretical stellar astrophysics and related fields, including some of the following subjects: stellar atmospheres, structure, and evolution, stellar populations, nuclear astrophysics and chemical evolution, astroseismology and helioseismology; extrasolar planets, and star and planet formation theory. The editor can also expect to handle observational papers in these areas from time to time. Although we are not actively recruiting candidates in other subfields at this time, expressions of interest from scientists in all fields of astronomy and astrophysics are welcomed. Candidates should have a strong record of published scientific research, and be prepared to commit the time (up to 20% FTE) that is required to carry out the duties of a Scientific Editor. Although these are largely volunteer positions, funding is provided for office equipment, secretarial support, travel to editorial meetings, and a modest stipend or research grant. Scientific Editors are required to be members of the AAS during their terms of appointment, but residence at a U.S. institution is not required.

Applicants should submit a curriculum vitae, a list of publications, and a brief (1-2 page) cover letter that summarizes the candidate's qualifications and reasons for seeking an SE position. Applications (either in paper or electronic form) should be sent to:

Robert C. Kennicutt, Jr., Editor-in-Chief
The Astrophysical Journal
Steward Observatory
University of Arizona
Tucson, AZ 85721
Fax: 520-621-5153, Tel: 520-621-5145
apj@as.arizona.edu

Successful candidates will also be asked to provide a brief letter of endorsement from their department head or director, indicating their agreement to the necessary time commitment upon appointment. Applications received by 1 September 2003 will receive full consideration. Inquiries about the position are welcome and may be directed to the Editor-in-Chief at the addresses given above.

High School Students Awarded College Scholarships at Intel International Science & Engineering Fair

Two 17 year old high school students, Lisa Doreen Glukhovsky and Jonathan Nicholas Sick, were presented with the 2003 Priscilla and Bart Bok Awards by the AAS and ASP. Their outstanding astronomical research projects were exhibited at the 54th annual Intel International Science and Engineering Fair (ISEF), held in Cleveland, Ohio.

Glukhovsky, a student at New Milford High School in New Milford, Connecticut, won the AAS-ASP Bok First Place Award and a \$5000 scholarship for her project "A Rapid, Accurate Method of Determining the Distance to Near-Earth Asteroids." Glukhovsky determined the distances of over a dozen Near-Earth Asteroids using simultaneous two-site parallax observations. Her project involved an international collaboration with several other student and amateur observatories in the U.S. and Europe. Measurements made in the course of her project agree with those obtained by NASA JPL observers to within one percent.

Sick, a student at Queen Elizabeth High School in Calgary, Alberta, won the AAS-ASP Bok Second Place Award and a \$3000 scholarship for his project "Development of an Adaptively Controlled Telescope." Sick designed and developed a 32-cm automated telescope with software that can automatically orient the telescope, identify star fields around the sky, and track observer-selected objects.

The AAS-ASP judging team consisted of Drs. Terry Oswalt of the Florida Institute of Technology, Dr. Jeanne Bishop, Director of Westlake Schools Planetarium, and Dr. Earle Luck of Case Western Reserve University.

Oswalt, Bishop and Luck also served as judges for the Richard D. Lines Special Award in Astronomy, presented annually at the ISEF by the International Amateur-Professional Photoelectric Photometry (IAPPP). Oswalt presented the Lines Award and a

\$5000 scholarship to Ved Chirayath, a 16-year-old sophomore from California Academy of Math and Sciences in Carson, California. Chirayath's winning project was "Photometric Detection of an Extra-Solar Planetary Transit Across the Sun-Like Star HD 209458." Using data collected with a small telescope and CCD camera, Chirayath detected two full transit events of the star's super-Jupiter planet. He used this data to determine the planet's size and orbital inclination.

All three students have been invited to publish papers describing their projects in the IAPPP Communications, an international journal specializing in collaborative astronomy research projects involving students, amateurs and professional astronomers. In addition, the high school science departments of each student will receive \$1000. The scholarships and science department contributions are provided by a grant from the National Science Foundation, administered by the AAS on behalf of the three participating professional organizations.

Science Service publishes the weekly Science News, and hosts the Intel International Science and Engineering Fair. Each year three to five million students complete science research projects. This year over 1,200 students earned the right to compete at the Intel ISEF. The fair brought together students from nearly 50 nations to compete for scholarships, tuition grants, internships, scientific field trips and the grand prize: a trip to attend the Nobel Prize Ceremonies in Stockholm, Sweden. Science Service founded the ISEF in 1950. The AAS, ASP and IAPPP have co-sponsored special awards in astronomy at the annual ISEF since 1991. The NSF provided additional substantial support for the Bok and Lines astronomy award programs in 2000.



Lisa Doreen Glukhovsky, Terry Oswalt and Jonathan Nicholas Sick



Ved Chirayath and Terry Oswalt



Exhibit Hall

Division News

Historical Astronomy



Michael Hoskin to Speak in a Plenary Session

For the AAS meeting in Atlanta next January, the Vice Presidents have invited Michael Hoskin to deliver his Doggett Prize Lecture to the Society in one of the morning plenary sessions at 11:40 a.m.

Hoskin is no stranger to the AAS. In 1986 he was honored as the Harlow Shapley Memorial Lecturer. Then last May the HAD Committee unanimously chose him as the recipient of its LeRoy Doggett Prize for Historical Astronomy. For his lecture next January, he will speak about “The REAL Caroline Herschel.”

As a leading expert on William Herschel, Hoskin has written broadly on the Herschel family and its achievements. Last spring he published his latest contribution: *The Herschel Partnership: As Viewed by Caroline*. This work, which contains a wide variety of previously untapped archival material, will be the definitive source for Caroline Herschel’s biography for many years to come. In a separate volume Hoskin has also edited the two autobiographies that Caroline wrote at different times of her life.

His other recent books demonstrate his broad perspectives in the field. They include *The Cambridge Illustrated History of Astronomy* (1997), *The Cambridge Concise History of Astronomy* (1999), and *Tombs, Temples and Orientations: A new perspective on Mediterranean Prehistory* (2001). The last volume, which summarizes many seasons of fieldwork around the Mediterranean basin, is a significant and original contribution to archaeoastronomy.

Hoskin has long been renowned for both his scholarship and the high standards he has maintained in editing and publishing. In 1970 he founded the *Journal for the History of Astronomy* and has since served as its editor. The *Journal*, which is now in its 34th year, has helped to define the field of historical astronomy and give it a central focus. It was primarily for his lifetime work on *JHA* that he was honored in 2001, when Minor Planet (12223) Hoskin was named after him.

Since 1969 Hoskin has been a Fellow at Churchill College, Cambridge. When he learned that he was to be the fourth recipient of the Doggett Prize, he wrote: “The Prize is indeed a very great honour, and although it is the result of the initiative of the historians of a particular country, it is as yet the only prize in our field and this award to a non-American raises it to international status. I am very grateful to you and your

colleagues for this compliment which will provide a highlight to my career.”

His lecture will be preceded by the presentation to him of The LeRoy Doggett Prize for Historical Astronomy.

Barbara Welther, Chair, Doggett Prize Committee

Solar Physics Division

John Leibacher, Chair, chair@spd.aas.org



The Solar Physics Division “Springs” to Life at JHU/APL in Laurel, MD!!



The 2003 Meeting of the Solar Physics Division was hosted by the Johns Hopkins University’s Applied Physics Laboratory, and the leader of the SOC, Dave Rust, didn’t miss the chance to push his new paradigm for filament eruptions.



Bob Howard (NSO) is the 2003 recipient of the Hale Prize, and got to give the prize lecture at the AAS Meeting in Nashville as well as the SPD Meeting, and had to suffer through John Leibacher’s introduction twice as well.

Dana Longcope (Montana State, on the right) receives the first Karen L. Harvey Prize “To recognize and encourage new talent in solar physics, and to recognize the contributions of Karen Harvey to the study of the Sun” from Jack Harvey (NSO).





Cherilynn Morrow (Space Science Institute, Boulder) gave an invited lecture on “The Joy of Solar Physicists in Science Education” complete with an *a capella* vocal that stole the show. (Credit Dave Dooling, NSO).

LOC dynamo Barbara Northrop (JHU/APL) rubs her hands in glee at one of the packed poster sessions.



The already action packed Membership Meeting – formerly the “Business Meeting” – was further enlivened by the SPD’s honoring of retiring ex-SoHO Project Scientist Art Poland (George Mason) with a respectful collection of “What me worry?” tee-shirt sporting colleagues.



Four extremely popular Parker review lectures to introduce various major areas of research to the whole solar physics community were given by Nancy Brickhouse (CfA), Paul Charbonneau (Montreal), Randy Jokipii (Arizona), and Sarbani Basu (Yale, pictured).



Former SPD Chair Judy Karpen (NRL) corrals incoming SPD Chair Ed DeLuca (CfA) to check out her poster.



What poster session would be complete without an assortment of cool jazz?



Gordon Emslie (Alabama/Huntsville) celebrated the 25th year of the SPD Studentships with a bumper crop of new talent.

A rowdy crowd of solar physicists relaxes off stage at a Bal’mer Orioles game



Scenes from the Nashville Meeting

The 202nd AAS meeting, in Nashville, will be remembered for two unique events. The welcoming remarks were delivered by a Governor who holds a Bachelor's degree in Physics from Harvard, worked summers at Arecibo Observatory, and owns his own 16-inch telescope. (How many states can match that?) And a young undergraduate student announced his discovery of the longest stellar eclipse ever found.

Observers with the RHESSI satellite reported the first detection of polarization in the history of gamma-ray astronomy, and there were very well received topical symposia on Dark Energy and on the circumstellar disks in which planets form. The Van Biesbroeck, Warner, and Hale Prizes were presented, and nearly 700 attendees enjoyed the warm hospitality of "Music City USA," facilitated by local chairs David Weintraub (Vanderbilt U.) and Richard Gelderman (Western Kentucky University). The meeting ran May 25-29, 2003 in the Nashville Convention Center.



Kentucky Governor Phil Bredesen (left) chatted with AAS Vice President Joseph Burns (center) and Robert O'Dell (Vanderbilt U.) before delivering a brief speech of welcome.



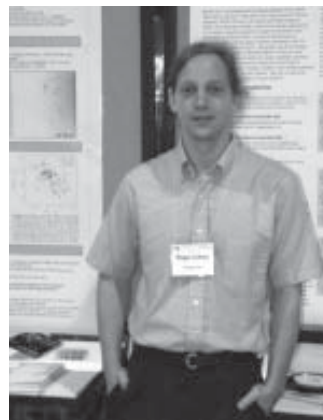
Robert Howard (left, National Solar Obs.) received the Hale Prize certificate from Solar Physics Division Chair John Leibacher.



Donat Wentzel (U. Maryland) smiled upon receiving the George Van Biesbroeck Award at the banquet.



Later, the Governor headed for the Exhibit Hall to check out a few good poster papers and chatted with astronomers including AAS President Catherine Pilachowski (right).



Undergraduate student Roger Cohen (Wesleyan U.) discovered the longest known stellar eclipse in a young star in IC 348.



Steven Boggs (U. California, Berkeley), here using his hands to depict orthogonal planes of polarization, reported the first detection of polarization in celestial gamma rays.



President Pilachowski presented the Warner Prize to Mattias Zaldarriaga, (Harvard U.).



Local Chairs David Weintraub (left, Vanderbilt U.) and Richard Gelderman (Western Kentucky U.) orchestrated both meeting events and Nashville-area musicians who entertained at receptions, coffee breaks, and the banquet.



Paule Sonnentrucker (Johns Hopkins U.) presented a new spectral atlas of the diffuse interstellar bands.



Dale Frail (NRAO) used the VLBA and other radio telescopes to gather evidence seemingly fatal to the "cannonball model" of gamma ray bursts.



Joni Johnson (New Mexico State U.) found a new way to estimate the distances to dwarf novae.



Leon Johnson (left) and Shermane Austin (both, Medger Evers College) reported on developing a course in computational Earth and space science.



Speakers at a press conference on circumstellar disks in young stellar objects were: l.-to-r., Joel Kastner (Rochester Inst. of Tech.); Jeffrey Bary (Vanderbilt U.) Elizabeth Lada and Richard Elston (both, U. Florida) and William Herbst (Wesleyan U.).



Among those reporting progress in robotic telescopes were: l.-to-r., Stuart Marshall (Lawrence Livermore Natl. Lab.), Richard Gelderman (Western Kentucky U.) and Eric Craine (Western Research Co.).



Megan Urry (Yale U.) gave an invited talk on the grand unification model for active galaxies.



Joel Eaton (Tennessee State U.) developed the 2-m Automatic Spectroscopic Telescope.



Tamas Budavari (Johns Hopkins U.) found differences in the clustering of blue and red galaxies in the Sloan Digital Sky Survey.



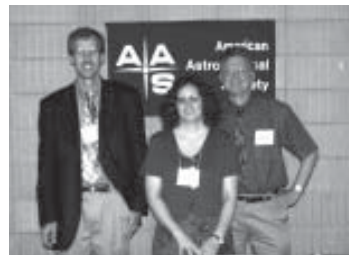
Panelists at a session "Communicating Science to the Public" were: l.-to-r., former host of NBC's Today show, Jim Hartz; Dyer Observatory Director, Rick Chappell; AAS Press Officer, Steve Maran; New York Times science writer, John Wilford; Dallas Morning News science editor Tom Siegfried and BadAstronomy.com's Philip Plait (Sonoma State U.).



Licia Verde (Princeton U.) spoke about combining microwave background observations with galaxy surveys.



Sangwook Park (Penn. State U.) described Chandra observations of a supernova remnant in the Small Magellanic Cloud.



James Ulvestad (left, NRAO) and Susan Neff (center, GSFC) discovered a new supernova in a dust-shrouded regions of Arp 299 where such events are frequent. Daniel Weedman (right, Vanderbilt U.), commented on their "supernova factory."



Gabriela Canalizo (left, Lawrence Livermore Natl. Lab.) detected signs of a dwarf galaxy merging with Cygnus A. Svetlana Jorstad (Boston U.) observed quasar jets with Chandra.



Catherine Venturini (Aerospace Corp.) told of dramatic changes in the IR spectrum of V838 Mon.



Silvia Torres-Peimbert (Instituto de Astronomia, UNAM, Mexico) pointed to a possible evolutionary sequence in symbiotic stars and proto-planetary nebulae.



Brian Keeney (U. Colorado) found that a dwarf galaxy is spewing gas out across the sight line to 3C273.



A close-up of three observers who reported new results on distant supernovae: left-to-right, Robert Kirshner (Harvard U.), Robert Knop (Vanderbilt U.), and Saul Perlmutter (Lawrence Berkeley Lab.).

Calendar

Listed are meetings or other events that have come to our attention (new or revised listings noted with an asterisk). Due to space limitations, and we publish notice of meetings 1) occurring in North, South and Central America; 2) meetings of the IAU; and 3) meetings as requested by AAS Members. Meeting publication may only be assured by emailing crystal@aaas.org. Meetings that fall within 30 days of publication are not listed.

A comprehensive list of world-wide astronomy meetings is maintained by Liz Bryson, Librarian C-F-H Telescope in collaboration with the Canadian Astronomy Data Centre, Victoria, BC. The list may be accessed and meeting information entered at <http://cadwww.hia.nrc.ca/meetings>.

AAS and AAS Division Meetings

Division for Planetary Sciences

1–6 September 2003 — Monterrey, CA
Contact: Ted Roush (troush@mail.arc.nasa.gov)

203 Meeting of the AAS

4–8 January 2004 — Atlanta, GA
Contact: AAS Executive Office (diana@aaas.org)

Other Events

Chicago Workshop on Adaptive Mesh Refinement Methods

3–5 September 2003 — Chicago, IL
Contact: Carrie Eder (amr2003@flash.uchicago.edu)
<http://flash.uchicago.edu/amr2003/>

Conference on Statistical Problems in Particle Physics, Astrophysics, and Cosmology

8–11 September 2003 — Menlo Park, CA
Contact: Arla Lecount (phystat2003@slac.stanford.edu)
<http://www-conf.slac.stanford.edu/phystat2003/>

12th UN/ESA Workshop on Basic Space Science

8–12 September 2003 — Beijing, P.R. China
Contact: Hans J. Haubold
(hans@neutrino.aquaphoenix.com)
<http://www.seas.columbia.edu/~ah297/un-esa>

Gamma-ray Bursts: 30 Years of Discovery

8–12 September 2003 — Santa Fe, NM
Contact: Ed Fenimore (grb2003@nis.lanl.gov)
<http://grb2003.lanl.gov>

*Four Years of Chandra Observations: A tribute to Riccardo Giacconi

16–18 September 2003 — Huntsville, AL
Contact: Martin C. Weisskopf
Martin.Weisskopf@msfc.nasa.gov
<http://mi.msfc.nasa.gov/chandra/index.html>

International Workshop on Planetary Probe Atmospheric Entry and Descent Trajectory Analysis and Science

6–9 October 2003 — Lisbon, Portugal
Contact: David Atkinson (entryws@sstep.org)

Stellar Populations

6–10 October 2003 — Garching, Germany
<http://www.mpa-garching.mpg.de/~stelpops/>

*Astronomical Data Analysis Software and Systems (ADASS)

12–15 October 2003 — Strasbourg, France
Contact: Marc Wenger (adass2003@astro.u-strasbg.fr)
<http://www.adass.org/adass2003/>

14th Annual October Astrophysics Conference: The Search for Other Worlds

13–14 October 2003 — College Park, MD
Contact: Susan Lehr (october@astro.umd.edu)
<http://www.astro.umd.edu/october/>

5th Microquasar Workshop – Microquasars and Related Astrophysics

13–19 October 2003 — Beijing, China
Contact: microquasar@jet.uah.edu
<http://jet.uah.edu/microquasar>

Imagery and Data Fusion

15–17 October 2003 — Washington, DC
Contact: John C. Evans (jevans@gmu.edu)
<http://www.aipr-workshop.org/>

2003 IEEE Nuclear Science Symposium and Medical Imaging Conference

19–24 October 2003 — Portland, OR
Contact: Ralph B. James, Brookhaven National Laboratory
(rjames@bnl.gov)
<http://www.nss-mic.org>

Second CHANDRA Calibration Workshop

27–28 October 2003 — Cambridge, MA
Contact: Hank Donnelly (rdonnelly@cfa.harvard.edu)
<http://cxc.harvard.edu/ccw/>

The Formation and Evolution of Massive Young Star Clusters

17–21 November 2003 — Cancun, Mexico
Contact: Henny J.G.L.M. Lamers (lamers@astro.uu.nl)
Linda J. Smith (ljs@star.ucl.ac.uk)
www.star.ucl.ac.uk/clusters

IAU Coll. 194: Compact Binaries in the Galaxy and Beyond

17–22 November 2003 — La Paz, Mexico
Contact: Gagik Tovmassian
(iau194@astroen.unam.mx)
<http://www.astroen.unam.mx/~iau194>

*Payload and Mission Definition in Space Sciences
17–28 November 2003 — Tenerife, Canary Islands
Contact: Ms. Nieves Villoslada or
Ms. Lourdes González (xvwinter@ll.iac.es)
<http://www.iac.es/winschool2003/info.html>

*Hawaii International Conference on Sciences
15–18 January 2004 — Honolulu, HI
Contact: Andrew Burge (sciences@hicsciences.org)
<http://www.hicsciences.org>

*5th Intergral Workshop, The Integral Universe
16–20 February 2004 — Munich, Germany
Contact: Dr. Giselher Lichti (grl@mpe.mpg.de)
<http://astro.estec.esa.nl/Integral/>

*Astronomical Polarimetry: Current Status and Future Directions
15–19 March 2004 — Waikoloa, HI
Contact: Andy Adam (pol2004@jach.hawaii.edu)

*Cosmos in the Classroom 2004: A Symposium on Teaching
Introductory Astronomy for Non-Science Majors
16–18 July 2004 — Medford, MA
Contact: Andrew Fraknoi (fraknoiandrew@fhda.edu)
www.astrosociety.org

*Modest 5—Modeling Dense Stellar Systems
11–14 August 2004 — Hamilton, Ontario, Canada
Contact: Alison Sills (asills@mcmaster.ca)
<http://www.manybody.org/modest-5.html>

*Massive Stars in Interacting Binaries
16–20 August 2004 — Quebec province, Canada
Contact: A. Moffat/N. St-Louis
(moffat@astro.umontreal.ca/stlouis@astro.umontreal.ca)

AAVSO News

Janet A. Mattei, Director; jmattei@aavso.org

Do you have an observing run on a variable star and you want to know how bright it is? Are you interested in searching for the optical afterglow of a Gamma-Ray Burst but you don't have a finder chart for it? Do you have multiwavelength data on a variable star and you want to correlate them with its optical phase? Do you have a student who wants to analyze decades of data on an interesting variable star?

If your answer is yes to any of the questions above, the American Association of Variable Star Observers (AAVSO) may be of help to you. The AAVSO is a non-profit, scientific and educational organization specializing in variable stars. It has the world's largest, digital optical variable star database—the AAVSO International Database—with over 10.5 million observations going back to 1911 made mostly by amateur astronomers. It has a dynamic website with a wealth of information for researchers and educators. Here are a few examples of online resources on the AAVSO website (www.aavso.org):

- Pick a star — On the AAVSO home page (www.aavso.org) enter your favorite variable star's name and with a click of a button find out what AAVSO finder charts exist to download, plot its light curve, and see the recent data submitted to the AAVSO on it.
- Download validated and certified data at (www.aavso.org/data/download/) on hundreds of stars going back to 1960. We are validating the complete database, thanks to a grant from NASA Office of Space Sciences. As data are validated they are put on line. Within a year and a half all of the 10.5 million observations will have gone through strict quality control procedures and will be placed on line.
- Light curve generator - (www.aavso.org/data/lcg/) - a useful tool that can plot instant light curves of any object in the AAVSO observing program.
- Quick Look file - (www.aavso.org/data/ql/) - shows the most recent two months' observations submitted to the AAVSO on any AAVSO star. The data files are updated every ten minutes.
- Extensive chart section - (www.aavso.org/observing/charts/) - download any of the thousands of finder charts in the observing program.
- AAVSO software pages - (www.aavso.org/data/software/) hold a rich library of downloadable software for analysis of variable star data.
- The AAVSO High-Energy Network - (www.aavso.org/observing/programs/he/) - currently has programs for GRB afterglow detection and multiwavelength CCD observations of magnetic cataclysmic variables (polars), we are collaborating with the Global Telescope Network (GTN) at Sonoma College to observe blazars.
- The webpages for AAVSO's education curriculum - Hands-On Astrophysics: Variable Stars in Math, Science, and Computer Education - (hoa.aavso.org) have extensive information and activities on variable stars as education tools.

The AAVSO has over 92 years of experience in variable star observing, data archiving, and analysis. Contact us at aavso@aavso.org or visit our website at <http://www.aavso.org/> for more information. Let us know what we can do for you!



NOAO's New Look

The National Optical Astronomy Observatory has a new logo, which they encourage you to use on future publications and meeting posters. The logo features an open telescope dome and a representation of an absorption line spectrum, which are intended to communicate to the

average person that observational astronomy and science are the "business" of NOAO. See here for various file sizes:
http://www.noao.edu/outreach/new_logo/.

NOAO would also like to call your attention to the 30 September deadline for observing proposals for Semester 2004A and the 3 October full proposal deadline for the Adaptive Optics Development Program. See: http://www.noao.edu/obs_info.html and <http://www.noao.edu/system/aodp/>.

Announcements

Call for NRAO Observing Proposals

Astronomers are invited to submit proposals for observing time on the NRAO Green Bank Telescope (GBT), Very Large Array (VLA), and Very Long Baseline Array (VLBA):

Instrument	Deadline	Observing Period	Note
GBT	2003 Oct 1	2004 Feb - 2004 May	
	2004 Feb 2	2004 Jun - 2004 Sep	
VLA	2003 Oct 1	2004 Feb - 2004 May	+
	2004 Feb 2	2004 Jun - 2004 Sep	*
VLBA	2003 Oct 1	2004 Feb - 2004 May	
	2004 Feb 2	2004 Jun - 2004 Sep	

Notes: (+) C configuration with a maximum baseline of 3 km; (*) D configuration with a maximum baseline of 1 km.

Users of NRAO instruments from most U.S. institutions may request travel support for observing and data reduction trips, as well as page charge support. In addition, the NRAO has inaugurated a new program to support GBT research by students at U.S. universities. The program covers student stipends, computer hardware purchases, and student travel to meetings to present GBT results. Applications to this program are tied to GBT observing proposals.

The NRAO and the European VLBI Network jointly handle proposals for observing time on the Global VLBI Network. The deadline is 1 October 2003 for the session in February 2004.

Further information on NRAO instruments, proposal submission routes, and user support is available from the NRAO home page at www.nrao.edu.

NASA-DSN Call for Science Observing Proposals

The NASA Office of Space Science Solar System Exploration Division announces a Call for Science Proposals from Guest Observers who wish to use the various radio-telescope antennas of NASA's Deep Space Network (DSN) for radio astronomy (radiometry, spectroscopy, and VLBI), solar system radar astronomy, and spacecraft-based radio science.

The Deep Space Network (DSN), operated by NASA for spacecraft telecommunications and navigation, is also used as an instrument for scientific research on a time-available basis. The sensitive receiving systems and high power transmitters on the large aperture DSN antennas are effective instruments for scientific investigations in radio astronomy and solar system radar. The high sensitivity and global distribution of the DSN complexes make the three 70-m antennas particularly valuable components for international experiments using Very Long Baseline Interferometry (VLBI). The 70-m antenna near Canberra, Australia is the most sensitive radio telescope in the 18-26 GHz range in the southern hemisphere. The R&D environment is also well suited for investigators to conduct long-term projects using equipment they provide. Investigators are welcome to submit observing proposals for any of the three research disciplines. Radio astronomy proposals will be reviewed as part of the NRAO proposal review process. Solar system radar astronomy proposals involving transmission from Goldstone and reception at the Arecibo telescope will be judged for scientific merit through the observing proposal review process at Arecibo. Other GSSR observing proposals will be coordinated through the DSN Science Office.

NASA is being assisted by JPL in the administrative and logistical work needed to support these ground-based observing proposals. Interested Guest Investigators will find information regarding proposal submission and technical support at the DSN Science website:
<http://dsnspace.jpl.nasa.gov>.

Investigators may also contact Dr. Michael Klein, Manager of the DSN Science Office at JPL by phone (818) 354-7132 or by e-mail to michael.j.klein@jpl.nasa.gov for additional information.

Observing time at the DSN is provided as a support service to the astronomical and radiometric sciences community by the National Aeronautics and Space Administration on a time-available basis. Proposers should realize that the DSN is NOT a national observatory and are therefore encouraged to find an observing partner at JPL with experience using DSN facilities and instruments.

CSO Call for Proposals Due 31 October 2003

The Caltech Submillimeter Observatory (CSO) encourages observing participation by astronomers from both U.S. and non-U.S. institutions. For instructions on applying and for information about available instruments, including new bolometer cameras, see <http://www.submm.caltech.edu/cso/cso-call.html>.

Applications for observing time between 1 February 2004 through 31 July 2004 are due by mail 31 October 2003. Applications will be reviewed by an outside peer group.

2004 Watson Medal Nominations Due 12 September 2003

The National Academy of Sciences (NAS) is currently accepting nominations for the 2004 James Craig Watson Medal in Astronomy. The Watson Medal is awarded every three years for the promotion of Astronomical Science. The bequest suggests "...To be given... from time to time to the person in any country who shall make astronomical discovery or produce any astronomical work worthy of

special reward as contributing to our science.” The award includes a \$25K prize plus \$25K to support the recipient’s research, and a gold-plated medal.

Information about the award as well as a nomination form and a list of previous recipients can be found on the NAS website at <http://www.nas.edu/nas/awards>; follow to Nominations for Awards in 2004; from there click on either the ‘James Craig Watson Medal’ for information or on ‘Nominations’ for the nomination form.

All nominations should be sent directly to the National Academy of Sciences as specified on the form. Each nomination requires a nomination form (available on the web) plus CV, bibliography list (up to 12 publications), and a brief summary of achievements. Additional letters of recommendations can number from 0 to 6.

The nomination deadline is 12 September 2003.

Neta A. Bahcall (Princeton University) is Chair of the 2004 Watson Medal Committee.

NSO Observing Proposals

The current deadline for submitting observing proposals to the National Solar Observatory is 15 August 2003 for the fourth quarter of 2003. Forms and information are available from the NSO Telescope Allocation Committee at P.O. Box 62, Sunspot, NM 88349 for Sacramento Peak facilities (sp@nso.edu) or P.O. Box 26732, Tucson, AZ 85726 for Kitt Peak facilities (nso@noao.edu). A TeX or PostScript template and instruction sheet can be emailed at your request; obtained by anonymous ftp from <ftp://ftp.nso.edu> (cd `observing_templates`) or <ftp://ftp.noao.edu> (cd `nso/nsoforms`); or downloaded from the WWW at <http://www.nso.edu/general/observe/>. A Windows-based observing-request form is also available at the WWW site. Users’ Manuals are available at <http://www.nso.edu/nsosp/dst/> for the SP facilities and <http://nsokp.nso.edu/> for the KP facilities. Proposers to SP may inquire whether the Adaptive Optics system may be available for their use. Observing time at National Observatories is provided as support to the astronomical community by the National Science Foundation.

NASA Infrared Telescope Facility Observing Proposals

Due date for the 1 February – 31 July 2004 semester is **1 October 2003**. See <http://irtfweb.ifa.hawaii.edu/userSupport/indexota.html>. Available instruments include: (1) For 1-5 microns: a camera with 3 pixel scales and a circular variable filter, a cross-dispersed medium-resolution spectrograph, and a high-resolution spectrograph. (2) For 5-25 microns: a camera, a low-resolution wide spectral range spectrograph, and high-resolution spectrographs for 8-25 microns.

Core Technologies for Space Systems Conference Call for Papers

The Rocky Mountain Chapter of the AAS (the other AAS, the American Astronautical Society), the AIAA, and the Pikes Peak Chapter of the IEEE announces a call for papers for the 2003 Core Technologies for Space Systems Conference, to be held 4-6 November 2003 at the Sheraton Colorado Springs Hotel in Colorado Springs, CO. With accents on space science, systems, and applications, CoreTech is designed to provide a stimulating and thought-provoking forum for sharing the latest technical developments and ideas across the spectrum of core space technologies. CoreTech is intended for astronomers, aerospace scientists, engineers, and technical managers from academia, industry, government, and military programs.

See www.spacecoretech.org for more information.

The de Vaucouleurs Atlas of Galaxies: A Request for Images

The de Vaucouleurs Atlas of Galaxies is an ambitious project to fully document the de Vaucouleurs revised Hubble galaxy classification system with modern digital images. The de Vaucouleurs classification system (first published in *Handbuch der Physik*, Volume 53, page 275, 1959) is widely used in professional astronomy but has never been documented in the form of a modern image atlas. We have contracted with Cambridge University Press to prepare and publish such an atlas. We are soliciting high quality images from the astronomical community for publication in the atlas. We ask observers who might be able to contribute their best groundbased blue-light (and other filter) CCD images of nearby galaxies of all types to please refer to the following webpage for details on what we are looking for: <http://bama.ua.edu/~rbuta/gvatlas/pgoals.html>

Note that no photometric calibration is required for any image. We are especially in critical need of high quality images of elliptical, S0, and irregular galaxies at this time.

Theodore Dunham, Jr. Grants for Research in Astronomy Applications Due 6 October 2003

Since 1986, the F.A.R. has made annual Theodore Dunham, Jr. Grants for Research in Astronomy. The grants are named for Theodore Dunham, Jr., Scientific Director of the F.A.R. from its founding in 1936 until his death in 1984. Grants are awarded for the acquisition of astronomical equipment, computer time, computer hardware or software that will be used in research. Preference will generally be given to proposals for facilities that are likely to be used by a number of astronomers. We will make our next grants in December 2003, following receipt of completed applications, which are due 6 October 2003.

See <http://fdncenter.org/grantmaker/fundastro/grants.html> for more information.

Honored Elsewhere

Shipman Receives Teaching Scholars Award

AAS Member **Henry L. Shipman** has been named one of the 2003 Distinguished Teaching Scholars and will receive \$300,000 to spend over four years. The award, given by the National Science Foundation (NSF), recognizes the achievements in linking scientific research with education and supports plans to continue that work.

Shipman, professor of physics and astronomy at the University of Delaware, will help develop a set of learning modules in astronomy that can be used in general science courses for nonscientists or in introductory astronomy courses.

Zeilik Receives International Teaching Award

Michael Zeilik, professor of physics and astronomy at the University of New Mexico (UNM), has been selected as the 2003 recipient of the Excellence in Introductory College Physics Teaching Award by the American Association of Physics Teachers (AAPT). The award recognizes significant contributions to undergraduate physics teaching by an AAPT member for whom teaching is a primary responsibility.

At UNM, Zeilik specializes in introductory courses for the novice, non-science major student and is a pioneer in astronomy education research at the university level. He has garnered support for these undertakings from the National Science Foundation (NSF) and NASA.

Zeilik has been a Woodrow Wilson fellow, NSF fellow, a Smithsonian Astrophysical Observatory Predoctoral fellow and a visiting professor at the Santa Fe Institute. At UNM, he has been named a regents' lecturer, the highest award for all-around performance by a faculty member; and last year, Zeilik received the Astronomy Education Prize from the AAS.

Parker Receives Kyoto Prize

Eugene Parker (AAS member and 1969 Russell Lecturer) will receive the 2003 Kyoto Prize for Lifetime Achievements in Basic Science from the Inamori Foundation. Considered among the world's leading awards for lifetime achievement, the \$400,000 Kyoto Prizes recognize significant contributions to the scientific, cultural and spiritual development of mankind.

Parker, 76, the S. Chandrasekhar Distinguished Service Professor in Physics and Astronomy & Astrophysics, will be cited for establishing a new perspective on astrophysics by elucidating the solar wind and other cosmic phenomena. In 1958, he made a theoretical prediction of a supersonic flow of plasmas (charged particles) emitted from the solar corona, which he called the "solar wind." Having shown that the space between the sun and the Earth is filled with this supersonic flow-and not a vacuum, as had been believed-Parker's theory triggered drastic changes in the perception of space.

Backer Selected for the 2003 Jansky Lectureship

Associated Universities, Inc. (AUI) and the National Radio Astronomy Observatory (NRAO) are pleased to announce that **Donald C. Backer**, professor of astronomy, and a research astronomer at the Radio Astronomy Laboratory, University of California at Berkeley, will present the thirty-eighth annual Karl G. Jansky Lectureship. Backer is being honored for his seminal contributions to the discovery of millisecond pulsars.

The Jansky Lectureship is awarded each year by the Trustees of AUI to recognize outstanding contributions to the advancement of astronomy. The lectureship is named after Karl G. Jansky, the AT&T Bell Labs engineer who in 1932 first discovered natural radio waves emanating from space.

Backer's interests include a variety of compact and energetic objects in the Milky Way and beyond. Among these are pulsars, the nucleus of the Milky Way, and the nuclei of other galaxies and quasars. His research employs large radio telescopes, and emphasizes the technique of high-resolution radio interferometry.

His work on millisecond pulsars is focused on the consequences of the discovery in 1982 of a pulsar spinning at 642 Hz, which is near the centrifugal limit for neutron stars. Backer and his colleagues continue to monitor this pulsar, and to search for other millisecond-period pulsars. The timing measurements of these pulsars have an accuracy that rivals the best atomic time standards on Earth. These measurements also help astronomers to place stringent limits on the magnitude of the background of gravitational radiation left over from the Big Bang.

Backer also oversaw the development of the Berkeley-Caltech Pulsar Machine, which has been used on the National Science Foundation's Robert C. Byrd Green Bank Telescope to detect new pulsars in globular cluster M62, as well as the youngest radio pulsar ever detected in supernova remnant 3C58.

Backer will deliver the Jansky Lecture at the various NRAO sites later this year. Information when confirmed will be available on the NRAO website (www.nrao.edu/jansky).

AAS Members Among Academy of Arts and Sciences Fellows and Honorary Members

The American Academy of Arts and Sciences announced the election of 187 new fellows and 29 foreign honorary members for 2003.

Congratulations to the following AAS Members:

J. Richard Bond, University of Toronto (foreign honorary member).

Alan Paul Boss, Carnegie Institution of Washington.

Donald Q. Lamb Jr., University of Chicago.

Alexander Sandor Szalay, Johns Hopkins University.

ASP News

Michael Bennett, Executive Director, mbennett@astrosociety.org

Many Thanks and a Welcome at PASP

For the past 10 years J. B. "Bev" Oke has served as the Associate Editor for Instrumentation for the ASP's professional journal, *Publications of the ASP (PASP)*. For personal reasons Bev has asked to step down. It has been a great pleasure working with him, and the current PASP editors extend their deepest thanks for his outstanding service and for all the advice and wisdom he has shared with us.

In consultation with Bev, we sought a new PASP Associate Editor for Instrumentation. We are delighted to announce that the ASP Board of Directors has endorsed the appointment of two extremely well-qualified astronomers to share the responsibility of this position. They are Daniel Fabricant of the Harvard-Smithsonian Center for Astrophysics and Harland Epps of UCO/Lick Observatory, UC-Santa Cruz. Both of these new editors have been involved in numerous instrumentation projects and have also been regular contributors to the PASP. We welcome Dan and Harland, who began their work on 1 May 2003. - *Anne Cowley and David Hartwick, PASP Co-Editors*

Symposium on Teaching Introductory Astronomy 16-18 July 2004 at Tufts University

The ASP is pleased to announce a 3-day hands-on symposium on teaching beginning astronomy classes at the college level. The meeting will be held at Tufts University in the summer of 2004, and is sponsored by the ASP and NASA's New England Space Science Initiative in Education (with co-sponsorship from the AAS.)

Designed for everyone who teaches or will be teaching such courses, the program will include components for veteran instructors seeking to improve or re-invigorate their teaching as well as new instructors approaching their first classes. Much of the program will involve hands-on workshops and panels with veteran instructors.

Washington News continued from back page

AAS Members Attend AIAA Luncheon

On 15 May, nine AAS members attended a special luncheon sponsored by the National Capitol Section of the American Institute for Aeronautics and Astronautics (www.aiaa.org). Dr. David Radzanowski, the new branch chief for science and space programs at the Office of Management and Budget (OMB) presented information on the President's FY 2004 budget and possible implications for the FY 2005 budget. The AAS occasionally arranges to have members attend events of this type to build the visibility of our profession, create interaction opportunities for astronomers working in the policy arena and highlight our growing interaction with the public policy process.

To be on the mailing list for future announcements about the symposium, or to make suggestions for the program, please e-mail the Chair of the Program Organizing Committee, Andrew Fraknoi, at: fraknoiandrew@fhda.edu. (Be sure to include the name of the institution at which you teach.)

William Waller of Tufts University chairs the Local Organizing Committee and is happy to hear from volunteers in the New England area who want to help (wwaller@mos.org).

Updates on the meeting are available at:
<http://www.astrosociety.org/events/cosmos.html>.

ASP's 115th Annual Meeting

The 115th annual meeting of the ASP will take place over the weekend of October 11th and 12th in Berkeley, California.

On Saturday participants will be able to take a special optional tour (including bus transportation) of the renowned Stanford Linear Accelerator Center (SLAC). The annual ASP members business meeting will be held Saturday afternoon. Saturday evening will feature a reception and banquet honoring the ASP's annual award winners including 2003 Bruce Medalist Vera Rubin. Guest speaker David Levy, well-known comet hunter and author, will talk about his work with the Shoemakers and Comet Shoemaker-Levy 9.

Sunday will be all about "Cosmic Explosions." The all-day lecture series, aimed at the interested general public, will be held on the UC-Berkeley campus and will feature leading astronomers discussing the many kinds of cataclysmic events that shape our universe. Speakers include Sandra Faber, Matthew Malkan, Alex Filippenko, Shrinivas Kulkarni, Sumner Starrfield, Robert Lin, and Kevin Zahnle. Many thanks to ASP Past President for organizing this "stellar" lineup of experts.

For complete information and registration details, go to the ASP web site at www.astrosociety.org and click on "events."



L-R: Ken Johnson (USNO), Bob Milkey (AAS), Riccardo Giacconi (AUI), Andrew Clegg (NSF), Craig Foltz (NSF), Rob Olling (USNO), Joe Lazio (NRL), Kevin Marvel (AAS), Bill Smith (AURA). Photo courtesy of Steve Pierson (APS).

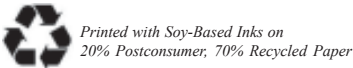


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Newsletter 116 August 2003

2004 Membership Directory
 Changes in member or institutional information for the 2004 Membership Directory must be received in the Executive Office by **5 September 2003!!** Use the change of address from on the website at **www.aas.org** or email the change to **address@aas.org**.



Washington News

Kevin B. Marvel, Deputy Executive Officer, marvel@aas.org



Budget Outlook

Summer is normally a time for rest and relaxation across the country, but summer in Washington is an exception. Many of the appropriations subcommittees are seriously working on the appropriations bills and

there is some indication that Congress will finish the bulk of its appropriations work before the end of the current fiscal year. This would stand in stark contrast with last year, when it took nearly six months of the new fiscal year for the appropriations bills to finally be signed into law.

I anticipate at least one AAS Action Alert during the summer, focused on increasing the NSF budget for the coming fiscal year. Senator Christopher “Kit” Bond (R-MO) and Senator Barbara Mikulski (D-MD) have made it their personal goal to double the NSF budget in five or six years. However, they have forcefully challenged the science community to rally behind them and support this doubling effort. AAS members are encouraged to write to their Senators and Representative asking that they contact the VA-HUD-IA Appropriations Subcommittee Chairs and Ranking Members and strongly support this doubling effort. Only by communicating our needs to Congress will our needs be met.

CNSF Hill Exhibition

AAS again participated in the Coalition for National Science Funding Hill exhibition, which took place on June 13. This year, the AAS sponsored booth featured the Sloan Digital Sky Survey. SDSS is an excellent example of a successful scientific project funded from a variety of sources.

The event drew approximately 250 Congressional staff, 12 members of Congress and numerous NSF staff, including the Director, Dr. Rita Colwell.

The AAS is an active member of the CNSF, which has more than 90 institutional members, including Universities, scientific societies and corporations, such as the Associated Universities for Research in Astronomy or AURA, which just recently joined the coalition. The coalition web page is www.cnsfweb.org and is an excellent resource for individuals working on behalf of the NSF in the policy arena. The coalition does no lobbying, but instead serves as an information sharing resource.



Congressman Vernon Ehlers (R-MI) asks John Peoples about the SDSS and its broader impacts.

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