



ASTROPHYSICS

newsletter

2001 EXECUTIVE COMMITTEE DIVISION OF ASTROPHYSICS

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**The Division of
Astrophysics**

**American
Physical Society**

February 2001

Election Issue: Please read the Candidate Statements and vote on the enclosed ballot in this newsletter. Remember the deadline for mailing ballots is **March 23, 2001.**

DAP Business Meeting

The Annual Business Meeting of the DAP will be held on Monday afternoon, April 30, 2001 at 5:30 p.m. at the APS meeting in Washington DC at the Renaissance Hotel. It will follow on directly after the invited session on "The Highest Energy Photons" and will be in Room 14 of the Renaissance Hote. In addition to other business, an induction ceremony will be held for the new DAP APS Fellows (see below). In keeping with recent tradition the DAP will sponsor a reception with wine, soft drinks and cheese at the business meeting.

Fellowship Nominations Sought

The list of new APS Fellows from the Division of Astrophysics is given on page 5. For next year members are invited to submit nominations for Fellowship in the APS. The number of new Fellows is limited to one-half percent of the current membership. Every year, our division nominates 7 or 8 APS members for Fellowship. If you would like to recommend a member for Fellowship, you may do so by filling out the nomination form which may be found, along with related information, at <http://www.aps.org/fellowship/>

Please submit nominations by **MAY 1** to:
Executive Officer
American Physical Society
One Physics Ellipse
College Park, MD 20740-3844
ATTN: Fellowship Program

Unsuccessful nominations submitted for the first time last year will be reconsidered this year by the Fellowship Committee (though additional supporting letters would be still welcome). Beyond one year, nominations must be resubmitted.

Agenda for the Invited Sessions

APS Meeting Washington, DC April, 2001

Chuck Dermer, DAP Chair-Elect

An exciting program of invited sessions highlighting the latest astronomical and astrophysical research is planned for next April's APS meeting. The sessions include topics as diverse as the dynamic Sun to the creation of the elements and the birth of black holes. The session on the Sun, shared with the Topical Group on Plasma Astrophysics, will feature TRACE and SOHO/LASCO videos that are a treat to watch — whether or not your interests involve Solar or plasma physics. Two sessions on astrophysical extremes will present the latest research on cosmic rays and the highest energy photons. Another two sessions on the formation of galaxies and the origin of the elements will detail the physics of the building blocks of nature, shedding insight on the processes that lead, ultimately, to our existence. The latest Chandra results will be featured in a plenary talk and in an invited session devoted to research in X-ray and

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DAP Election 2001

It's time to elect new officers and members-at-large for the Executive Committee. The candidates for vice chair, secretary/treasurer and member-at-large of the executive committee have provided their statements below. Please review them and vote on the enclosed ballot! DEADLINE: March 23, 2001. All ballots must be post marked by this date!

Vice Chair Candidates

Steven M. Kahn

BIOGRAPHICAL INFORMATION:

Education and Professional History: AB Columbia 1975, Ph.D. U.C. Berkeley 1980; CFA Postdoctoral Fellow 1980-82; Asst. Prof. of Physics Columbia 1982-84; Asst., Assoc., Full Prof. of Physics and Astronomy U.C. Berkeley 1984-95; Prof. of Physics Columbia 1995 - present; Chair of Physics Columbia 1999 - present. Elected to APS Fellowship 1991.

Selected Items of Professional Service: Member NAS Astronomy and Astrophysics Survey Committee, and Vice-Chair of the High Energy from Space Panel 1998-2000; Member Editorial Board for the Cambridge Observing Handbooks for Research Astronomers 1997-present; Member Editorial Board for the Cambridge Contemporary Astrophysics Series 1995-present; Member NASA Structure and Evolution of the Universe Subcommittee, and Co-Chair Technology Working Group 1996-98; Member NAS Committee on Astronomy and Astrophysics 1996-97; Member NASA Astrophysics Subcommittee and Chair High Energy Astrophysics Management Operations Working Group 1995-96; Member ASTRO E Science Working Group 1995-present; Member (elected) Executive Committee of the APS Division of Astrophysics 1991-96; Chair Visiting Committee NASA Goddard Space Flight Center Space Sciences Directorate 1995-96; Member AXAF/Chandra Users Committee 1993-2000; Member (elected) Executive Committee of the AAS High Energy Astrophysics Division 1990-92.

Research Interests: High-energy astrophysics; X-ray spectroscopy of cosmic sources; space instrumentation; laboratory astrophysics. US Principal Investigator for the Reflection Grating Spectrometer on the XMM-Newton Mission.

CANDIDATE STATEMENT:

The Division of Astrophysics provides the primary means of professional interaction between the astronomy community and the bulk membership of the APS. It is important for professional astrophysicists to get active in this organization by attending and contributing to the annual meetings. However, the fraction of our colleagues who are members of DAP has been traditionally rather low, and has been concentrated primarily in a few narrow fields. This must be improved. Astrophysics is now making significant contributions to a variety of fields of physics. We need to strengthen these interactions to further encourage interdisciplinary collaborations and greater recognition of astronomical discoveries. This theme resonates with the relevant federal funding agencies. NASA, NSF, and DOE have all encouraged cross-disciplinary physics/astronomy programs in recent years.

As the Chair of the Physics Department at a major research university, I have extensive experience at interacting with physicists in other fields and highlighting the contributions of astrophysics to

physics research in general. If I am elected Vice Chair, I will take proactive steps to increase the DAP membership in both the physics and astronomy communities. The programs for topical sessions are crucial in this context. It is a challenge to choose speakers who can convey the excitement of current astrophysics developments to a wide audience, while still presenting talks with sufficient rigor to attract those working professionally in the field. In my view, the past few sets of officers have done well in this regard, and I will strive to maintain the quality of the sessions they have organized.

Chryssa Kouveliotou

BIOGRAPHICAL INFORMATION:

NASA/Marshall Space Flight Center (Universities Space Research Association) Chryssa Kouveliotou earned her Ph.D. degree in Astrophysics from the Technical University of Munich, and Max-Planck Institute of Extraterrestrial Physics in Munich, Germany in 1981 for research in fast transient gamma-ray phenomena, including Gamma-Ray Bursts and Solar Flares. After her Ph.D. thesis Kouveliotou was hired as a staff member of the Physics Department at the University of Athens, Greece, where she taught and did research from 1982 until 1994. During this period she had two sabbaticals at NASA/GSFC (1985-1987) and at NASA/MSFC (1991-1993). Between 1991 - 1994 she was an Associate Research scientist with the Universities Space Research Association (USRA) in Huntsville and since 1995 the Director of the USRA Astronomy program in Huntsville and the Deputy Director of the Institute for Space Physics, Astrophysics and Education (ISPAE), a co-operative agreement between MSFC and the University of Alabama in Huntsville (UAH). In June - August 2000 she was a CHEAF Visiting Professor at the University of Amsterdam in the Netherlands. She is currently an IPA with NASA/MSFC (USRA). Kouveliotou's current research projects include ground-based follow-up observations of GRBs, X-ray studies of X-ray binaries and soft gamma repeaters (SGRs), and variability studies of accreting black holes. In 1998 she established the connection of SGRs with young neutron stars with superstrong magnetic fields (magnetars). She has co-authored over 250 papers in refereed journals and conference proceedings, and is co-editor of 2 books. Kouveliotou has served on a number of committees, including the NASA, High Energy Astrophysics Management Operations Work Group (HEAMOWG, 1993-1995), and the Advisory committee on the future of Greek Astronomy (1998). She has served as a member of the HEAD Executive Committee member between 1994-1996.

Societies: American Astronomical Society (AAS) AAS High-Energy Astrophysics Division, Fellow, American Physical Society (APS)-DAP, American Association for the Advancement of Science, International Astronomical Union, Commissions 44 (Space and High Energy Astrophysics) and 6 (Astronomical Telegrams), Royal Astronomical Society (RAS), European Astronomical Society (EAS), Hellenic Astronomical Society (HEL.A.S.).



CANDIDATE STATEMENT:

Recruiting young people in Astrophysics, securing funding for research and researchers, realizing space program goals into the next decade, propagating knowledge to the public and in particular to under-privileged communities, educating teachers to leverage our knowledge to high-schools are the main issues the Division of Astrophysics can and should make a significant contribution to. In all these issues, the Astrophysics of the third millennium has expanded beyond national or even continental borders. There are now rarely single nation endeavors; multinational collaborations are encouraged and necessitated, to address some of these problems. The DAP can facilitate interactions among different groups worldwide, by collaborating with other organizations, such as the EAS, and the RAS, in jointly sponsoring topical meetings. The DAP can also play a decisive role in bridging cultural gaps, by organizing graduate (and undergraduate) schools during these meetings, aiming at bringing together and educating younger people in different cultures and traditions (collaborations mean something different in Japan, in the US, in Italy etc).

Secretary-Treasurer Candidates

Louis Barbier

BIOGRAPHICAL INFORMATION:

Louis Barbier received his Ph.D. from Louisiana State University in 1987. He was a National Academy of Sciences/National Research Council Fellow for two years and then accepted a job at the NASA/Goddard Space Flight Center, in the Laboratory for High Energy Astrophysics. While there his research areas have been in experimental particle astrophysics - specifically antimatter experiments, radioactive clock measurements and solar particle detectors. Recently he has worked on low energy gamma ray particle detectors for gamma ray burst and survey missions.

CANDIDATE STATEMENT:

When asked to be a candidate for Secretary-Treasurer I was excited and I am happy to run for this office. I have always valued the APS (and the other professional societies to which I belong) and would be glad to serve the community in some small way. While the job of Secretary-Treasurer is not glamorous it is obviously a job, which must be done conscientiously. Not only would I perform these duties if elected, I would also strive to have the APS reach out to non-members and even perhaps non-physicists. Broadening our constituency and communicating effectively with the public can help us to play a vital role in the nation's future.

Mark Leising

BIOGRAPHICAL INFORMATION:

Mark Leising received a Ph.D. in 1987 from Rice University. He was an NRC/NRL post doc at NRL (1986-1988) and NRL staff astrophysicist (1988-1991). Since 1991 he has been on the faculty in Physics & Astronomy at Clemson University, except for a 1997-1998 sabbatical at the Max Planck Institut fuer Extraterrestrische physik in Garching. His research has centered on gamma-ray studies of nucleosynthesis events, especially supernovae and classical novae, and of galactic structure as revealed through diffuse radioactivity and positrons. He also studies the cosmic gamma-ray background and the implications of measurements of radioactivity in the early

solar system. He teaches physics and astronomy courses at all levels, currently foisting astrophysics upon hundreds of future engineers in introductory physics. He is engaged in physics and astronomy outreach efforts, and directs Clemson's planetarium activities.

CANDIDATE STATEMENT:

The Division of Astrophysics is clearly an essential link between the astrophysics community and the larger world of physics. An effective Secretary-Treasurer is needed to facilitate the important work of the division. As I understand them, the duties include communication with the membership, especially through the newsletter; organization of the annual meeting, its program, and business meeting; handling division funds; and carrying out the annual election. I promise to capably carry out these duties if elected. I would be honored to work with the incoming officers and serve the division.

Executive Committee Candidate

Brenda Dingus

BIOGRAPHICAL INFORMATION:

Current Position: Associate Professor of Physics at the University of Wisconsin—Madison.

Prior Positions: Assistant and Associate Professor of Physics at the University of Utah; Research Scientist for University Space Research Associates working at Goddard Space Flight Center on the Compton Gamma-Ray Observatory; National Research Council fellowship working at Goddard Space Flight Center on the X-ray Timing Explorer; Ph.D. 1988 from University of Maryland for cosmic-ray/gamma-ray research.

Research Interests include gamma-ray bursts and gamma-ray astrophysics detectors (both on satellites and on the ground), plus multiwavelength observations of gamma-ray sources. Collaborator on Milagro, a TeV gamma-ray observatory near Los Alamos, and on GLAST, a GeV gamma-ray observatory on a satellite scheduled to launch in 2005.

Related Service: GLAST Science Working Group; GLAST Science Facility Team; Compton Gamma-Ray Observatory Users Group; Executive Committee, Four Corners Section of the American Physical Society; Proceedings editor of 26th International Cosmic Ray Conference; Organizer of TeV Astrophysics Workshop in 1999; various NSF and NASA review panels.

CANDIDATE STATEMENT:

Astrophysics is a multidisciplinary effort that is attracting more and more physicists from other fields as well as attracting much public attention and support. The DAP should serve its members by keeping the attention of a wide variety of physicists at the April APS meeting. DAP sessions with good speakers and good attendance of DAP members are essential. Particularly important is encouraging younger DAP members via dissertation talks and grants. The April meeting in 2002 will be especially exciting because it will be held jointly with the High Energy Astrophysics Division of the American Astronomical Society. DAP should also work to share the excitement of astrophysics with the general public. Astrophysics is the area of physics that most appeals to non-physicists and can be used to carry the message of physics and science literacy that the future of science depends upon.



Jacqueline N. Hewitt

BIOGRAPHICAL INFORMATION:

Jacqueline Hewitt received a Ph.D. degree in physics from MIT in 1986. She held a postdoctoral appointment at Haystack Observatory and Princeton University. In 1989, Hewitt joined the faculty at MIT where she is now professor of physics. Her research interests are in cosmology, gravitational lensing, and radio astronomical instrumentation.

Hewitt's community service includes: Member of NSF MPS Advisory Committee (1999-present), Vice Chair of URSI Commission J (1999-present), Member of NASA SEUS (2000-present), Chair of U.S. Square Kilometer Array Consortium (1999-2001), Member of NRC Astronomy and Astrophysics Survey Committee Subpanel on Radio and Submillimeter Astronomy (1999), Member of NSF ALMA Cost Review Committee (1999), Member of NSF Astronomy Division Committee of Visitors (1999, 1996), Member of SSB/BPA Committee on Astronomy and Astrophysics (1997-2000), NAIC Visiting Committee (1997-2000), NRAO Large Proposals Committee (1996-1997), SSB Task Force on Space Astronomy and Astrophysics (1996-1997), Maria Goeppert-Mayer Award Selection Committee (1996), Co-Chairman of Board of Trustees of NEROC (1996-present), NAS Frontiers of Science Conference Organizing Committee (1995-1996), NRS Committee on Cosmology (1993), NRAO Visiting Committee (1991-1995), AAUW Fellowship Panel (1991).

Hewitt has received the following awards: the Harold E. Edgerton Award (MIT, 1995), the Maria Goeppert-Mayer Award (APS, 1995), the Henry G. Booker Prize (URSI, 1993), a Presidential Young Investigator Award (NSF, 1991-1996), a David and Lucile Packard Fellowship (Packard Foundation, 1990-1995), an Alfred P. Sloan Research Fellowship (Sloan Foundation, 1990-1992) the Annie Jump Cannon Award in Astronomy (AAUW Educational Foundation, 1989), Amelia Earhart Fellowships (Zonta International 1981-1983) and the Jeanne Quistgaard Memorial Prize in economics (Bryn Mawr College, 1980).

Professional society memberships include the American Astronomical Society, the American Physical Society, and the American Association of Physics Teachers.

CANDIDATE STATEMENT:

Astrophysics is a remarkably diverse field with connections to physics, chemistry, mathematics, computer science, and several branches of engineering. In physics, intellectual opportunities through cross-fertilization with particle physics, nuclear physics, and other areas will play an increasingly important role in the development of our field. An important function of the Division of Astrophysics is to nurture these connections, providing a means to seed and foster interdisciplinary activities. This will be accomplished through continued support of general meetings and topical sessions, encouragement of student participation, and facilitation of communication between members, Congress and government agencies, and the public.

Martin H. Israel

BIOGRAPHICAL INFORMATION:

Martin Israel received a Ph.D. in Physics from the California Institute of Technology in 1969. Since 1968 he has been a faculty member at Washington University in St. Louis, where he is currently Professor of Physics. He has served as principal investigator of balloon- and satellite-borne instrumentation for cosmic-ray astrophysics. During a ten-year period he was engaged full-time in

senior university administrative positions as Dean of the Faculty of Arts and Sciences (1987-94) and as Vice Chancellor (1994-97). In 1997 he returned to full-time research and teaching. His research interests include cosmic ray and high-energy-gamma-ray astrophysics.

CANDIDATE STATEMENT:

The most important role of DAP is organizing APS-meeting sessions that facilitate communication among our members and with the broader physics community. If elected, I would work with the officers and other members of the Executive Committee to help organize interesting sessions that would attract good audiences.

Steve O'Dell

BIOGRAPHICAL INFORMATION:

Steve O'Dell earned both his SB (1967) and Ph.D. (1971) in Physics, from the Massachusetts Institute of Technology (MIT), with his doctoral dissertation on pulsar emission mechanisms. During 1971-1977, he was an Assistant, then Associate, Research Physicist at the University of California in San Diego (UCSD), where he worked primarily on active galactic nuclei (AGN), particularly emission mechanisms in compact radio sources. Following a year (1977-1978) as an Assistant Scientist at the Universitäts Sternwarte Göttingen, Steve joined the Virginia Tech Physics Department, as an Assistant Professor and a member of its Radio Astronomy Group. There he conducted theoretical and (radio and x-ray) observational research on AGN, becoming Associate Professor (1981) and Professor (1986). In 1987, Steve joined the X-ray Astronomy Branch at NASA's Marshall Space Flight Center (MSFC), as a member of the Project Science Team for the Advanced X-ray Astrophysics Facility (AXAF, renamed the Chandra X-ray Observatory). He led a small analysis and simulation team during AXAF development, becoming Deputy Project Scientist in 1994. In addition to serving as the Chandra Deputy Project Scientist, Steve became Project Scientist (1997) and Manager (1999) for MSFC's development program in large x-ray optics. He serves on the Constellation-X Technology Team and Facility Science Team and is a member of the American Physical Society (APS) and its Division of Astrophysics (DAP), the American Astronomical Society (AAS) and its High-Energy Astrophysics Division (HEAD), the International Astronomical Union (IAU), and the Society of Photo-optical Instrumentation Engineers (SPIE). He has published over 100 papers in astronomy and astrophysics and in x-ray optics and instrumentation.

CANDIDATE STATEMENT:

The Twentieth Century was indeed an exciting period for astronomy and astrophysics. Now is an especially fitting time for the DAP to look toward the future. How can we contribute to fostering the development of the tools and the physicists for the next century of astrophysical discovery? According to the bylaws of the DAP, "The principal objective of the Division shall be the advancement and diffusion of the knowledge of astrophysics and its relationship to the understanding of fundamental physical processes." As a member of the Executive Committee, I would work toward increasing the emphasis on cross-fertilization with other subdisciplines of physics and on essential tools for astrophysics — instrumentation, laboratory astrophysics, computational astrophysics, and data-analysis methods. Most scientific societies, including the APS, provide effective channels for the exchange of information among scientists. However, the far greater challenge is to bring science to people and people to science. Thus, I would urge our Division to work closely with the APS committees and forums on education and outreach to bring astrophysical discoveries to a diverse audience and to nurture diversity in future generations of astrophysicists.



New APS Fellows

The following distinguished scientists are our Division's new Fellows of the American Physical Society.

Elena Aprile

"For her pioneering contributions to gamma-ray instrumentation for astrophysics, particularly her successful developments of a liquid xenon time projection chamber as an innovative Compton Telescope."

Ke-Chiang Hsieh

"For pioneering the measurement of energetic neutral particles in space plasma, thereby opening the door to a new frontier of space research."

James Michael Lattimer

"For construction of models of neutron stars, in quantitative detail, for prediction of how they are formed in the collapse of large stars and for quantitative theory of the mergers of black holes and neutron stars."

Philip I. Lubin

"For pioneering studies of the cosmic background radiation in various experiments both from the ground and in space that have given us new understanding of the earliest moments of the universe and the origin of its large scale structure that we see today."

Saul Perlmutter

"For pioneering contributions to cosmology, including development of new search techniques that led to discovery of numerous distant supernovae and strong evidence for the accelerated expansion of the universe."

Stephen P. Reynolds

"For contributions to high-energy astrophysics, including modeling relativistic jets in quasars, pulsar-driven supernova remnants, and electron acceleration to synchrotron X-ray emitting energies in young shell supernova remnants, and supporting observations."

John H. Thomas

"For major contributions to solar magnetohydrodynamics."

David Hal Weinberg

"For outstanding research in studying the gravitational instability theory of structure formation in the Universe and its confrontation with experimental data."

Agenda for the Invited Sessions continued

gamma-ray astronomy. Astrophysics at the conference will conclude with a half-session generously provided by the Topical Group on Few-Body Systems and Multiparticle Dynamics that will describe the stellar nurseries in the Orion nebula and the cosmological importance of infrared astronomy.

Make your plans now to attend this conference and present your latest research. The late abstract deadline is March 9, 2001. For more information about the conference, visit <http://www.aps.org/meet/APR01/index.html>

COSMIC RAYS: FROM THE KNEE TO THE ANKLE AND BEYOND

(Joint DPF and DAP Session)

Saturday, April 28th, 10:45am - 1:45pm

Chair: Thomas Gaisser (Bartol Research Institute)

Cosmic Rays into the Knee

Simon Swordy (University of Chicago)

Observing Ultra High Energy Cosmic Rays: Experimental Techniques and Results

Wayne Springer (University of Utah)

High Energy Neutrino Astronomy: Current Status and Future Prospects

Serap Tilav (Oxford)

Ultra-high Energy Cosmic Rays - Revolutionary Particle Physics or Revolutionary Astrophysics?

Glennys Farrar (NYU)

Cosmic Ray Acceleration: Sites and Mechanisms

Reinhard Schlickeiser (Bochum University)

BLACK HOLES: BIRTH AND COALESCENCE

(Joint GGR and DAP Session)

Saturday, April 28th, 2:30pm - 5:00pm

Chair: E. Flanagan (Cornell)

Black Hole Demographics

David Merritt (Rutgers University)

Two-Stage Collapse to Black Holes: A Model for Gamma Ray Bursts

Mario Vietri (Universita di Roma 3)

Colliding Black Holes: Status and Prospects

Luis Lehner (Univ. of British Columbia)

Probing Black Holes with Gravitational Wave Observations

Scott Hughes (Institute for Theoretical Physics, Santa Barbara)

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THE ORIGIN OF THE ELEMENTS

(Joint DNP and DAP Session)

Sunday, April 29th, 10:45am - 1:45 p.m.

Chair: Sam Austin (MSU)

CNO and Nova Nucleosynthesis

Michael Wiescher (Notre Dame)

Stellar Evolution and Nucleosynthesis

Alexander Heger (UCSC)

Radioactivity Gamma-rays from Galactic Nucleosynthesis Sites

Roland Diehl (MPE)

Chemical Evolution of Galaxies and the Universe

Dieter Hartmann (Clemson)

HOW GALAXIES FORM AND EVOLVE

Sunday, April 29th, 2:30pm - 5:30 PM

Chair: Susan Lamb (UIUC)

Evolution of Fluctuations from the Early Universe to Galaxy Formation

David Spergel (Princeton University)

Numerical Simulations of Galaxy Formation

Matthias Steinmetz (University of Arizona)

Formation of the Present Day Galaxies

Chris Mihos (Case Western Reserve)

Effects of the Cluster Environment on Galaxy Evolution

Ben Moore (Durham University, UK)

Global Star Formation and Gas Dynamics in Colliding and Merging Galaxies

Bruce Elmegreen (IBM Research Division, Yorktown Heights, NY)

ENERGETIC PROCESSES IN THE SOLAR ATMOSPHERE

(Joint GPAP and DAP Session)

Monday, April 30th, 10:45am - 1:45pm

Chair: Gary Zank (Bartol Research Institute)

New Insights into the Physics of the Solar Corona from SOHO/LASCO

Russell Howard (NRL)

TRACE Observations of the Sun

Richard Fisher (NASA/GSFC)

Tracking Energetic Electrons in Coronal and Interplanetary Structures

Jean-Louis Bourgeret (Meudon)

Solar Energetic Particle Acceleration

James A. Miller (UAH)

Acceleration of Coronal Mass Ejections

James Chen (NRL)

HIGHEST ENERGY PHOTONS

Monday, April 30th, 2:30pm - 5:30pm

Chair: Trevor Weekes (SAO)

Galactic Sources of High-Energy Photons

Heinz Voelk (MPK)

Extragalactic Sources of High Energy Photons

Meg Urry (STScI)

The Next Generation of Gamma Ray Telescopes in Space

Neil Gehrels (NASA/GSFC)

The Next Generation of Ground-based Gamma-ray Telescope

Frank Krennrich (ISU)

Using High Energy Photons to Probe Intergalactic Radiation from Galaxies

Floyd Stecker (NASA/GSFC)

THE X/GAMMA CONNECTION

Tuesday, May 1st, 8:00am - 11:00am

Chair: Charles Dermer (NRL)

BATSE - The Burst and Transient Source Experiment on the Compton Observatory

Gerald Fishman (NASA/MSFC)

The World of Compact Objects as Revealed by RXTE's Observations

Jean Swank (NASA/GSFC)

Chandra Observations of Supernova Remnants and the Galactic Center

Gordon Garmire (Penn State)

Progress towards an Advanced Compton Telescope Mission

James Kurfess (NRL)

Tribute to Herbert Friedman (24 min)

Herbert Gursky (NRL)

VISTAS IN ASTRONOMY

(GFB and DAP Half-Session)

Tuesday, May 1st, 11:00am - 12:30pm

Chair: Charles Dermer (NRL)

Hubble Space Telescope Observations of the Orion Nebula Stellar Nursery

C. R. O'Dell (Vanderbilt)

The Extragalactic Infrared Background Radiation and its Cosmological Implications

M. Harwit (Washington, DC)



DAP Executive Committee and Officers 2001

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 Chair-Elect Charles Dermer
 Vice Chair Susan Lamb
 Past Chair Trevor Weekes
 Secretary/Treasurer Neil Gehrels
 Division Councilor Stephen Holt
 Executive Committee Members (2001) Joel Primack
 Executive Committee Members (2001) Mel Ulmer
 Executive Committee Members (2000) Michael Cherry
 Executive Committee Members (2000) C. Megan Urry

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