



The 1978 Apker Award finalists. From left to right: Tony Heinz (Stanford), Elizabeth Mann (Case Western Reserve), David Heckerman (winner, UCLA) and Daniel Stearns (University of Michigan).

K. Mann, Tony F. Heinz and Daniel G. Stearns. Mann offered for judging the results of her undergraduate research at Case Western Reserve University on "The Neutral Excitation Current in Liquid Helium." She is currently doing graduate work in physics at the University of Illinois.

Heinz, who is now doing graduate work in physics at the University of California, Berkeley, submitted a research paper on "Topological Properties of Orthostochastic Matrices," done while he was an undergraduate at Stanford University. Stearns submitted a report of work on "Determination of the Differential Cross Section for Excitation of Neon to the 3P_2 State Using Metastable-Scattering Angular-Distribution Analysis" that he did as an undergraduate at the University of Michigan. Stearns is now a graduate student in applied physics at Stanford.

In addition to Fowler, a past president of the Society, Nina Byers (UCLA), Joseph A. Burton (APS), David L. Dexter (University of Rochester), Milan D. Fiske (General Electric), Roger N. Herman (Pennsylvania State University), and James A. Krumhansl (NSF) served on the selection committee.

Nominations invited. Nominations for the 1979 Apker Award are open to students at colleges or universities in the United States who are enrolled as undergraduates during at least a part of the twelve-month period preceding the 15 June deadline. Only one candidate may be nominated by a physics department. The candidate should have an excellent academic record and should have demonstrated exceptional potential for scientific research by having made an original contribution to physics.

The application should include: a letter of nomination from the head of the physics department; a copy of the student's academic transcript; a senior thesis, publication, or other documentation

written by the student (including a 1000-word summary describing the original contribution to physics submitted for this award), and two letters of recommendation from physicists who know the candidate's personal contribution to the work submitted. The deadline for completed applications is 15 June 1979.

Interested students or faculty should contact J. A. Burton, Administrator, Apker Award, The American Physical Society, 335 East 45th Street, New York, N.Y. 10017. Telephone: (212) 682-7341.

Congressional fellows join Senate staffs

Both of the 1978 APS Congressional Scientist Fellows have accepted appointments on the staffs of members of the United States Senate. Frederick Bernthal (Michigan State University) will serve in the office of Senator Howard Baker (R-Tenn.) and Jill Wittels (MIT) has chosen to spend a fellowship year in the office of Senator William Proxmire (D-Wisc.).

Bernthal will work on several energy issues, including nuclear waste disposal, the breeder reactor and SALT II accords. Wittels plans to work with the staff of the Senate Banking Committee on hearings on international technology transfer and the renewal of the Import-Export Licensing Act.

Altogether twenty Fellows sponsored by some twelve scientific and engineering societies chose their assignments after completing the two-week orientation program organized by the AAAS Office of Special Programs under the direction of Lynn Chambers.

Solomon J. Buchsbaum (Bell Labs), who chaired the selection committee that chose the first APS Congressional Scientist Fellows, has been appointed by APS president Norman F. Ramsey to chair the

Congressional Fellowship Review Committee. The committee has been charged with assessing the effectiveness of the program in meeting the goals set for it by Council in 1972 when it authorized this experiment in public service.

John Andelin (House Committee on Science and Technology) and N. R. Werthamer (Exxon Research Corporation) also serve on the committee whose report and recommendations on the future character and mode of operation of the program are expected to be considered by Council at its meeting on 28 January.

Thomas P. Sheahan, APS Congressional Scientist Fellow in 1977, has returned to the National Bureau of Standards. His colleague, Paul C. Maxwell, has joined the staff of the House Subcommittee on Science, Research and Technology.

Applications invited. The seventh annual competition for the two fellowships to be offered in 1979 has been authorized by Council. Lewis M. Branscomb (IBM), APS President in 1979, will appoint the Selection Committee, which will be chaired by the Vice-President Elect for 1979.

The fellowship stipend will continue at a maximum of \$18 000 for the twelve-month appointment. Applicants will be expected to show exceptional competence in some area of physics, to have a broad background in science and technology, and to have a strong interest and some experience in applying scientific knowledge toward the solution of social problems. The choice of appointment is, as in the past, unrestricted and reserved to the Fellow.

More information about the program and application procedures appears in the January issue of the *Bulletin of the APS*. Deadline for completion of applications is 16 March. For further information, contact Mary L. Shoaf, Administrator, Congressional Scientist Fellowship Program, The American Physical Society, 335 East 45th Street, New York, N.Y. 10017. Telephone: (212) 682-7341.

Industrial Postdoctoral Fellowship applications

The competition has begun for the third annual American Physical Society Industrial Postdoctoral Fellowships. These fellowships offer well qualified physicists postdoctoral opportunities in organizations where relatively few PhD physicists have been employed in the past. They are intended to broaden the contributions of physics and physicists to industry. The fellowships may be awarded for work in large organizations where a strong research and development effort already exists in other fields of science and engineering or for work in smaller companies and professional firms concerned with technology questions.

Anyone who has received a PhD in