

New York Meeting Moves to Chicago

The first joint APS-AAPT annual meeting ever held in Chicago will offer almost 90 invited and 700 contributed papers with APS divisions organizing their own symposia.

by Bernard Hodes



A PRECEDENT-BREAKING joint annual meeting of the American Physical Society and American Association of Physics Teachers will take place Monday through Thursday, 29 Jan.-1 Feb. at the 25-story Palmer House and the auxiliary La Salle Hotel in downtown Chicago. It will be the first joint annual meeting ever held in Chicago and the first such occasion at which the APS divisions themselves take responsibility for organizing their own symposia. It will also be the first regular meeting of the newly formed APS division of particles and fields, the culmination of the first AAPT teaching film competition, the first society gathering at which problems of physics and society are intensively treated and the first time APS members will have an opportunity to consider proposals that would broaden their constitution to include discussion of public issues.

A total of 82 invited and 646 contributed papers are scheduled by APS for delivery during the four days. AAPT has scheduled about five invited and about 60 contributed papers. In addition, AAPT will award its Oersted prize and distinguished service certificates, both societies will install new officers and the American Institute of Physics will man student section, placement register and press-room

services and sponsor its 16th annual physics show.

Why Chicago? "Why not Chicago?" say those supporting the move. "It's very important to emphasize that the arguments in favor of having the meeting here are primarily connected with the significance of the annual meeting for placement of fresh PhD's in jobs and giving the young people a chance to attend an important meeting," notes Robert Sachs, APS regional secretary for the central states and principal organizer of the meeting. "The fact that Chicago is centrally located is only secondary," he says. "The fall meeting has traditionally been in Chicago and in the past we have had many other APS meetings here [see table]. But I've always

**Top Ten APS Meeting Sites
1899-1969 Inclusive**

City	Meetings
New York	96
Washington, D. C.	62
Chicago	50
Berkeley	18
Pasadena	17
Stanford	16
Los Angeles	14
St. Louis	11
Cambridge	8
Philadelphia	8

maintained that the timing was all wrong. People are not ready to look for jobs nor prepared to contribute papers that early in the year. The key time for job hunting and presenting papers is at the January meeting."

APS has tentatively scheduled the 1970 joint annual meeting for Chicago, and future plans are to alternate between New York and Chicago.

Invited papers. With full responsibility for their own sessions, the APS divisions, by all accounts, have done very well, organizing a total of 16 symposia, including 65 invited papers (see chart below). The particles and fields division has organized six symposia of invited papers (the division plans to hold its regular meeting each year at the annual meeting), the

nuclear physics and solid-state physics divisions have each put together three symposia, the fluid dynamics division two symposia and the electron and atomic-physics and plasma-physics divisions one each. Only the chemical-physics and high-polymer physics divisions did not organize sessions.

There will also be several sessions of general interest. On Monday morning L. W. Jones will speak on "A Charge-Independent Search for Massive Elementary Particles in Cosmic Rays" followed by "The University of Wisconsin Physical Sciences Laboratory Storage Ring" by Ednor Rowe and "Hydrogen Molecules, Rydberg States and Autoionization" by C. F. Barnett.

On Monday afternoon, AIP is organizing a symposium on information, communication and physics. Burton W. Adkinson will speak on "Discipline-Oriented Information Systems," H. William Koch on "Information System for Physics," Conyers Herring on "Reviews: Present Situation and Hopes for the Future" and Derek de Solla Price on "Radical Thoughts on Communication in Physics."

The coupling of physics and society in the 1970's is the theme of a special joint session on Tuesday morning. Speakers and their talks include Fred Hoyle, "The Search for New Insights and Outlooks;" James E. Mercereau, "Physics Pioneering in Industry and Technology: Prospects for the Seventies;" Lewis M. Branscomb, "The Place of Physics in the National Life" and Harvey Brooks, "Physics and the Polity."

A joint symposium on Wednesday morning on the history and philosophy of physics will treat the search for an elementary particle. C. D. Anderson will speak on "Electrons, Positrons and Mesons," Luis Alvarez on "The Search for an Elementary Particle in the Last Quarter Century" and Henry Primakoff on "Theoretical Physics and the Search for an Elementary Particle."

A final general interest session on Wednesday afternoon will feature Freeman Dyson, "Rhenium 187 and All That;" George Gamow, "Are Constants Constant?" and Anthony Turkovich, "Chemical Analysis of the Surface of the Moon."

Meanwhile, the physics teachers have scheduled three invited papers

INVITED PAPERS

MONDAY A.M.

- APS **General interest:** L. W. Jones, E. Rowe, C. F. Barnett
Particles & Fields Div: Experiments in strong interactions: D. B. Cline, J. G. Fetkovich, E. J. Bleser, J. Menes, W. D. Walker
Nuclear Div: Charge distributions: R. Hofstadter, R. Boehm, P. A. Brix, D. G. Ravenhall
Solid-State Div: Liquid helium: A. T. Stewart, I. Rudnick, R. A. Ferrell, D. Pines
 AAPT **Physics teaching:** R. E. Alley, Jr., A. M. Bork, E. M. Rogers

MONDAY P.M.

- APS **Information:** B. W. Adkinson, H. W. Koch, C. Herring, D. d. S. Price
Particles & Fields Div: K^0 meson phenomena: M. Schwartz, J. Steinberger, T. Kamae, S. Parker
Nuclear Div: Nuclear structure and processes: K. A. Brueckner, P. P. Singh, F. Firk, G. Ripka, C. J. Christensen
Fluid Dynamics Div: Superfluidity: G. V. Chester, E. P. Gross, H. E. Hall, A. L. Fetter
 AAPT **Commission on College Physics:** J. M. Fowler, E. L. Jossem, W. C. Michels, P. Gibbs, H. Lustig, R. B. Sears, D. Z. Robinson

TUESDAY A.M.

- APS **Physics and society:** F. Hoyle, J. E. Mercereau, L. M. Branscomb, H. Brooks
Particles & Fields Div: Theoretical developments: Y. Nambu, S. Fubini, J. Schwinger
Nuclear Div: Time reversal invariance: N. F. Ramsey, C. G. Shull, H. Frauenfelder, E. M. Henley

Fluid Dynamics Div: Critical phenomena theory: M. Fisher, C. Domb, E. Lieb, R. W. Zwanzig

TUESDAY P.M.

- APS **Ceremonial:** C. Townes, AAPT H. E. White, R. R. Wilson

WEDNESDAY A.M.

- APS **Search for an elementary particle:** C. D. Anderson, AAPT L. W. Alvarez, H. Primakoff

WEDNESDAY P.M.

- APS **Particles & Fields Div:** High-energy scattering: H. Palevsky, R. J. Glauber, R. E. Taylor
General interest: F. Dyson, G. Gamow, A. Turkevich
 AAPT **Banquet:** "Two cultures or a science of humanism? The case of archaeology," R. Adams

THURSDAY A.M.

- APS **Particles & Fields Div:** New instruments and techniques: J. G. Loken, R. H. Milburn, G. A. Voss, E. L. Goldwasser, R. F. Mozley
Electron & Atomic Div: Polarized beams: B. L. Donnelly, J. Kessler, B. Beder-son, A. Dalgarno
Solid-State Div: Transition metals and paramagnons: J. Hanus, S. Berko, S. Doniach, W. F. Brinkman

THURSDAY P.M.

- APS **Particles & Fields Div:** Electromagnetic phenomena: M. M. Block, S. C. C. Ting, B. Richter, J. D. Sullivan
Plasma Div: D. J. Rose, T. H. Stix, R. W. Gould, C. F. Kennel
Solid-State Div: Exploring elementary processes with phonons: S. H. Vosko, P. B. Miller, C. T. Walker, W. M. Visscher



ATTENDEES to the 1930 APS meeting in Washington. The Capital ranks second in popularity as an APS meeting site.

for Monday morning: "A Report on Proposals by Engineering Mechanics Teachers for Changes in Introductory Physics for Engineers" by Reuben Alley Jr., "The Film Program of Harvard Project Physics" by Alfred M. Bork and "The Nuffield Physics Programme" by Eric M. Rogers.

On Monday afternoon the Commission on College Physics will give its regular biennial report. John M. Fowler will speak on "Media and Methods in Physics Teaching" and E. Leonard Jossem on "Commission Projects and Outlook." There will also be a panel

discussion on "The Decline of the Physics Major" moderated by Walter C. Michels and including Peter Gibbs, Harry Lustig, Ray B. Sears and David Z. Robinson.

Ceremonial session. The joint ceremonial session will take place on Tuesday afternoon in the Palmer House grand and state ballrooms. Retiring APS president Charles Townes will discuss "Quantum Electronics, Past and Prospects." Activity will then shift to AAPT. Harvey E. White of the University of California at Berkeley will receive the AAPT Oersted medal for

his many contributions to physics teaching. White, who has served on the Berkeley faculty since 1930, is the author of such well known textbooks as *Fundamentals of Optics* (with F. A. Jenkins); he has also pioneered in presenting physics courses on television and has designed many striking lecture demonstrations. Since 1959 he has directed the University of California Hall of Science, a research center for science education. The 27th AAPT Richtmyer memorial lecture will be given by Robert R. Wilson, recently appointed director of the National Ac-



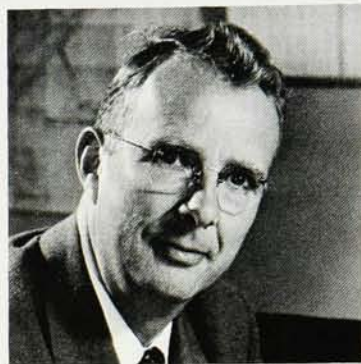
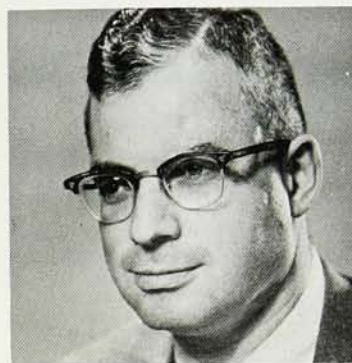
WHITE: AAPT Oersted medalist.



WILSON: Richtmyer memorial lecturer.



SCHWARTZ: His amendment debated.



NEW SOCIETY OFFICERS. Stanley Ballard (upper left) is AAPT president and Ronald Geballe (lower left) AAPT president elect. John Bardeen (upper right) is APS president and Luis Alvarez APS vice president.

celerator Laboratory and professor of physics at the University of Chicago. Wilson will speak on "Particles, Accelerators and Society."

The banquet will take place on Wednesday at 7 P.M. in the Palmer House grand ballroom. After-dinner speaker will be Robert Adams, director of the Oriental Institute, University of Chicago, who will talk on "Two Cultures or a Science of Humanism? The Case of Archaeology."

AIP services. AIP staff will be on hand Sunday night to take care of pre-registrations in the lobby of the Palmer House. The regular registration desk and message center will be located on the fourth floor and the press room and AIP headquarters on the third floor. Student section headquarters will be in the mezzanine. The AIP placement register (active all year round) will be located on the seventh floor from 9 A.M. to 6 P.M. Monday through Wednesday and until 3 P.M. on Thursday. As another novelty this year, AIP is arranging for group flights from other major US cities to the Chicago meeting.

Business meetings. A significant discussion concerning APS involvement in social issues has been scheduled as part of the society business meeting on Tuesday, 8 P.M. in the

State ballroom on the fourth floor of the Palmer House (PHYSICS TODAY, December, pages 69 and 128; also this issue, page 9). Charles Schwartz of Berkeley has proposed a new amendment to the APS constitution designed to allow society members to initiate a vote "on any matter of concern to the society," and the meeting will be devoted to an open discussion of the virtues of this amendment. Specifically, the question under discussion will be: Should APS broaden its purpose and aims to include discussion of public issues?

APS divisions of particles and fields and electron and atomic physics have also scheduled business meetings. They will take place at the ends of the respective sessions of these divisions.

The AAPT business meeting will be held on Thursday at 10:30 A.M. in the Red Lacquer room on the fourth floor of the Palmer House. At that time AAPT will announce the winners of its "single-concept teaching film competition." This contest, which will alternate in even-numbered years with the AAPT apparatus competition, is open to any physics student or instructor who has not produced a film now in commercial distribution. The physics teachers will also present certificates of distinguished service to AAPT

to S. Winston Cram of Kansas State Teachers College, H. Richard Crane of the University of Michigan, Robert W. Detenbeck of the University of Vermont and James H. Wernitz, Jr, of the University of Minnesota.

Society officers. Incoming officers for both AAPT and APS take up their new posts at the meeting. AAPT president for 1968-69 will be Stanley S. Ballard; Ronald Geballe has been chosen by the membership as president elect. Alfred Romer, Mark W. Zemansky and Irving Dayton continue as AAPT secretary, executive secretary and treasurer, respectively. The new APS president is John Bardeen and the new vice president Luis Alvarez. The APS president elect and new councilors will be announced in Chicago.

Physics show. The AIP advertising department is organizing its 16th annual exhibit of latest advances in research instruments and teaching materials as well as an extensive line of physics books and periodicals. The show will have 199 booths representing about 130 companies on the third and fourth floors of the Palmer House while 23 publishers will exhibit their books and journals on the eighth floor. Show hours are from 9 A.M. to 6 P.M. on Monday, Tuesday and Wednesday and to noon on Thursday. □