

Electrometer converter (model MC-209) for digital voltmeters is essentially a stabilized high-voltage supply that substitutes its own current for the current normally drawn from the point of measurement. The instrument covers the voltage range 100 μ V to 1 kv. It feeds back into the digital voltmeter a neutralizing current determined by a resistor. Since the direction of the current is towards the input terminals, and since the resistor and the voltage source are in parallel with the input, the resistor can be considered a "negative shunt resistance," supplying energy to the circuit. The total range of the instrument is covered in seven settings. Input resistance is said to be infinite when the instrument is properly balanced, and 1000 times the input resistance of the digital voltmeter when casually balanced. The minimum input resistance that can be compensated fully is 1 megohm. Speed of manual operation of the instrument is said to be greater than the manual operation of a potentiometer with electronic null indicator.—J.S. (Micronia Amplifier Corp., Dept. S609, Box 269, Port Washington, N.Y.)

Meetings

Gordon Research Conference

A Winter Gordon Research Conference on polymers will be held from 4 to 8 February 1963 in Santa Barbara, California, at the Miramar Hotel. The Polymer Group of the Southern California Section of the American Chemical Society developed the early plans for this conference. The purpose of the Gordon Research Conferences is to stimulate research in universities, research foundations, and industrial laboratories. The Summer conferences are held in New Hampshire [see *Science* 135, 932 (1962)].

Attendance at the conference, limited to approximately 100, is by application. Individuals interested in attending should apply immediately to the director of the conferences, Dr. W. George Parks, University of Rhode Island, Kingston. Applications must be submitted in duplicate on the standard form, which may be obtained from the office of the director. The applications will be reviewed by the Conference

Committee. This committee, in selecting the participants, will distribute the attendance as widely as possible among the institutions and laboratories represented by the applications. A registration card will be mailed to those selected. Advance registration by mail is required; this is completed when the registration card, with a deposit of \$15, is received in the office of the director. A registration card not accompanied by the \$15 deposit will not be accepted. This advance deposit is not required of scientists from foreign countries.

A fixed fee of \$115 has been established for resident conferees, covering registration, room, and meals. This fee was established to encourage attendance for the entire conference and to increase the special fund that is available to the conference chairman for assisting participants who attend the conference wholly or in part at their own expense.

The participants are expected to live at the conference location because one of the objectives of the conference is to provide a place where scientists can get together informally to discuss scientific research. All participants are urged to attend the conference for the entire week. Under special circumstances conferees will be permitted to stay at locations other than the site of the conference. Such nonresident conferees will be charged a registration fee of \$50.

Conferees living at the conference location who will pay all or part of the fixed fee as a personal expense may request a reduction of \$25 in the fixed fee. Application for this special fee must be made when the registration card is returned to the director.

Accommodations are available for wives who wish to accompany their husbands, and for children 12 years of age and over. All such requests should be made at the time the attendance application is submitted. The charge for room and meals for a guest is \$75.

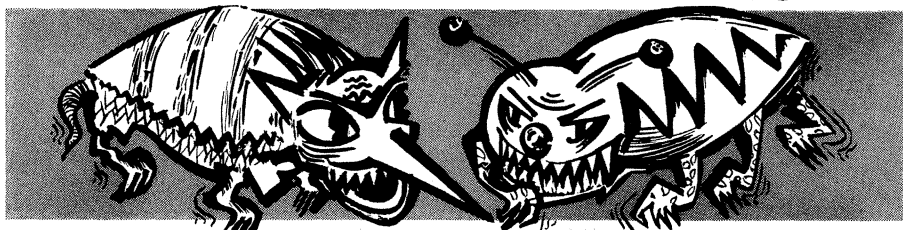
Polymers

Robert Simha, *chairman*
Maurice L. Huggins, *vice chairman*

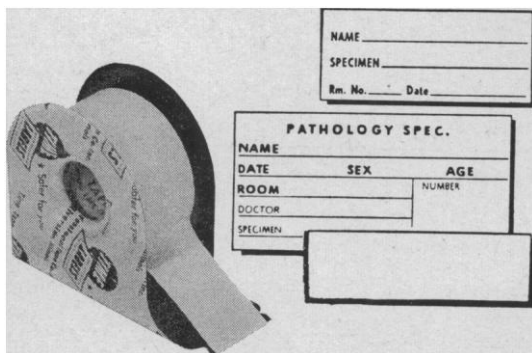
4 Feb. J. R. Van Wazer, "Random and non-random reorganization, including functionality changes; application to inorganic systems"; C. A. Klein, "Crystal structure and physical properties of pyrolytic graphites"; L. A. Wall, "Some remarks on high temperature polymers."

5 Feb. J. D. Ferry, "The role of free volume in the dependence of viscoelastic properties on molecular weight dis-

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tribution and in time-dependent viscoelastic properties near the glass transition temperature"; T. G. Fox, "Free volume, chain entanglements and the properties of concentrated polymer systems."

6 Feb. J. Vinograd, "Equilibrium sedimentation of biological macromolecules in a density gradient"; J. J. Hermans, "Application of density gradient centrifugation to synthetic polymers"; R. L. Baldwin, "Physical chemistry of synthetic DNA's."

7 Feb. B. H. Zimm, "Theory of uncoiling of DNA molecules"; E. P. Geiduschek, "Physico-chemical and biological properties of cross-linked DNA molecules"; H. F. Mark, "Recent progress in polymer research"; business session.

8 Feb. Contributions on recent research.

W. GEORGE PARKS

University of Rhode Island, Kingston

Forthcoming Events

February

4-8. **Rice Genetics and Cytogenetics**, symp., Los Baños, Laguna, Philippines. (Intern. Rice Research Inst., Manila Hotel, Manila, Philippines)

4-9. **Recent Trends in Iron and Steel Technology**, symp., Jamshedpur, India. (Secretary, Indian Inst. of Metals, 31 Chowringhee Rd., Calcutta, India)

4-20. **Application of Science and Technology for the Benefit of Less Developed Areas**, U.N. conference, Geneva, Switzerland. (Science Conference Staff, Agency for International Development, 826 State Dept. Annex 1, Washington 25)

5-14. **International Radio Consultative Committee**, Plan Subcommittee for Asia, New Delhi, India. (V. Barthoni, 128 rue de Lausanne, Geneva, Switzerland)

6-9. **American College of Radiology**, Chicago, Ill. (F. H. Squire, Presbyterian-St. Luke's Hospital, 1753 W. Congress St., Chicago 12)

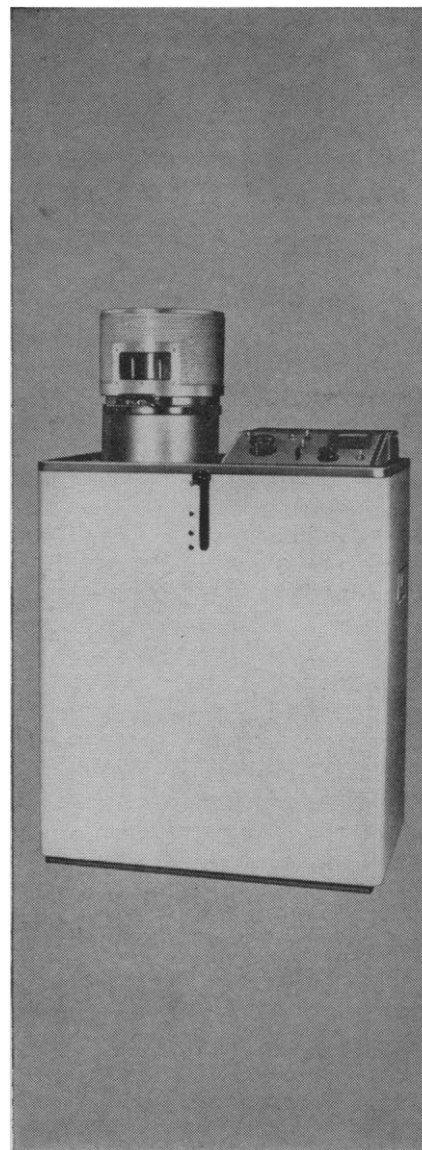
7-8. **Industrial Pharmacy**, 2nd seminar, Austin, Tex. (L. R. Parker, Pharmacy Extension Service, Univ. of Texas, Austin 12)

8-18. **United Nations Committee on Industry and Natural Resources in Asia and the Far East**, Bangkok, Thailand. (S. Santitham, Rajadamnern Ave., Bangkok)

10-15. **Management Function in Research and Development**, conf., Pasadena, Calif. (Management Development Section, Industrial Relations Center, California Inst. of Technology, Pasadena)

10-16. **Planned Parenthood**, intern. conf., Singapore. (V. Houghton, Intern. Planned Parenthood Federation, 69 Eccleston Sq., London, S.W.1, England)

11-14. **American Soc. of Heating, Refrigerating, and Air-Conditioning Engineers**, New York, N.Y. (R. C. Cross, 345 E. 47th St., New York 17)



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