

simple, and accurate method for indicating hormonal changes during pregnancy and the postpartum period. However, the cause and effect relations between LAPA and sex hormones are not known. An elevated LAPA index was considered a better test for pregnancy than the *Rana pipiens* or the human chorionic gonadotrophin tests.

Several hypotheses on regulatory mechanisms of LAPA were presented. The gene-dosage hypothesis would account for the abnormalities resulting in trisomy-21 in children and in strains of cultured leukocytes from patients with trisomy-21. Other suggestions on the mechanism of LAPA control included the possibilities of a complex interaction of physiological and genetic determinants, hormonal action on granules of neutrophils, the presence of several types of granulocytes in blood, and a shorter half-life of neutrophils in Down's syndrome.

Leukocyte glucose-6-phosphate dehydrogenase (G6PD), which is sex-linked in man and other animals, is also elevated in Down's syndrome. Three lines of evidence indicate that genetic control of G6PD is the same in leukocytes as erythrocytes.

A monograph containing the 30 papers will be published by the New York Academy of Sciences, the sponsor of this conference.

MARGARET A. KELSALL

Cleveland Psychiatric Institute,  
Cleveland, Ohio

### Forthcoming Events

#### March

8-10. **Viscoelastic Response of Engineering Materials**, Boston, Mass. (R. H. Supnick, 4 Mercer Rd., Natick, Mass.)

9-11. **National Medicolegal Symp.**, Miami Beach, Fla. (Miss B. Spies, Law Dept., American Medical Assoc., 535 N. Dearborn St., Chicago, Ill. 60610)

10-11. **National Conf. on Rural Health**, Charlotte, N.C. (B. L. Bible, Secretary, American Medical Assoc., 535 N. Dearborn St., Chicago, Ill. 60610)

10-12. **American Assoc. of Pathologists and Bacteriologists**, Washington, D.C. (J. L. Orbison, School of Medicine and Dentistry, Univ. of Rochester, 260 Crittenden Blvd., Rochester, N.Y.)

10-15. **American Assoc. of Pathologists and Bacteriologists**, 64th annual mtg. and Intern. Acad. of Pathology, 56th annual mtg., Washington, D.C. (Miss J. Graves, Intersociety Committee on Pathology Information, 1501 New Hampshire Ave., NW, Washington, D.C. 20036)

12. **Mental Depression**, symp., Washington, D.C. (Dr. Z. M. Lebensohn, 2431 K St., NW, Suite 215, Washington, D.C. 20037)

13-14. **Astronautics**, symp., Ottawa, Ont., Canada. (The Secretary, Canadian Aeronautics and Space Inst., 77 Metcalfe St., Ottawa 4, Ont.)

13-14. State Univ. of New York, Downstate Medical Center, "Visiting Scholar Lecture Series," **Arnold J. Toynbee**, Brooklyn, N.Y. (Office of Public Relations, Downstate Med. Ctr., 450 Clarkson Ave., Brooklyn, N.Y. 11203)

13-15. 32nd North American **Wildlife and Natural Resources Conf.**, San Francisco, Calif. (Wildlife Management Inst., 709 Wire Building, Washington, D.C. 20005)

13-17. **International Laboratory Apparatus and Materials Exhibition**, London, England. (U.T.P. Exhibitions Ltd., 3 Racquet Court, Fleet St., London E.C.4)

13-17. **Use of Plutonium as a Reactor Fuel**, intern. symp., Brussels, Belgium. (J. H. Kane, Div. of Technical Information, U.S. Atomic Energy Commission, Washington, D.C. 20545)

14-15. **American Astronautical Soc. 5th Goddard Memorial Symp.**, "The Voyage to the Planets," Washington, D.C. (M. B. Lees, General Electric Co., Defense Programs Div., 777 14th St., NW, Washington, D.C. 20005)

14-15. **Space**, natl. mtg., Los Angeles, Calif. (D. P. Chandler, 3370 Miraloma Ave., Anaheim, Calif. 82803)

## Optical Rotary Dispersion

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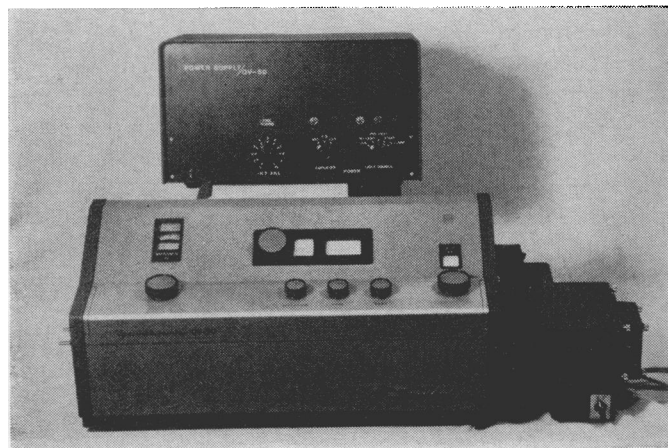
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