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CARBON-14 AND TRITIUM LABELLED CARBOHYDRATES

COMPOUND	SPECIFIC ACTIVITY (mc/mM)
D-Arabinose-1-C14	1-5
D-Arabinose-C14 (U)	1-5
Erythritol-C14 (U)	2-4
D-Fructose-C14 (U)	2-4
D-Fructose-C14 (U)	50-100
[High specific activity]	
D-Galactose-1-C14	2-4
D-Galactose-1-C14	20-30
[High specific activity]	
D-Glucose-C14 (U)	2-4
D-Glucose-C14 (U)	50-150
[High specific activity]	
D-Glucose-1-C14	2-4
D-Glucose-1-C14	20-30
[High specific activity]	
D-Glucose-2-C14	1-4
D-Glucose-2-C14	20-30
[High specific activity]	
D-Glucose-6-C14	2-4
D-Glucose-6-C14	20-30
[High specific activity]	
D-Glucose-6-T	100-500
D-Glucose-6-T [High specific activity]	>1000
D-Glucose-C14 (U)-6-phosphate	2-4
D-Glucose-C14 (U)-6-phosphate	50-150
[High specific activity]	
D-Glucose-1-C14-6-phosphate	2-4
myo-Inositol-C14 (U)	10-50
Lactose-1-C14	4-12
Maltose-C14 (U)	4-10
Maltotriose-C14 (U)	100-250
D-Mannitol-1-C14	10-30
D-Mannose-C14 (U)	2-5
D-Mannose-1-C14	1-4
D-Mannose-1-C14	20-35
[High specific activity]	
D-Mannose-2-C14	1-3
Methyl-(α -D-glucosyl)-C14	2-150
pyranoside (U)	
Potassium D-gluconate-6-T	100-250
Potassium D-glucuronate-C14 (U)	2-5
Potassium D-glucuronate-6-C14	2-5
D-Ribose-C14 (U)	2-4
D-Ribose-1-C14	2-4
D-Ribose-1-C14	15-30
[High specific activity]	
Sodium D-gluconate-C14 (U)	2-6
Sodium D-gluconate-1-C14	2-5
Sodium D-gluconate-6-C14	1-4
Sorbitol-C14 (U)	5-10
Sorbitol-1-C14	2-5
L-Sorbose-C14 (U)	2-4
Starch-C14 (U)	2-50 μ C/mg
[Tobacco leaf; amorphous]	
Sucrose-C14 (U)	5-15
Sucrose-C14 (U)	150-200
[High specific activity]	
D-Xylose-C14 (U)	1-4

Data sheets available on request for every compound. Please write for current schedules containing complete radiochemical listings and information. Or call 312 827-4456 collect.

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The detailed proposals for cooperation on individual, institutional, and governmental levels are included in the final report of this planning meeting submitted to the Japanese Society for the Promotion of Science and to the National Science Foundation. Persons interested in participating in this program may request copies of the final report from the Office of International Science Activities, National Science Foundation, Washington, D.C., 20550. Proposals have already been submitted to the official Japanese and American committees for the exchange of four oceanographers under this program. It is hoped that this report of the success of this meeting will encourage many oceanographers to actively participate in the United States-Japan Cooperative Science Program.

MARGARET K. ROBINSON
*Scripps Institution of Oceanography
La Jolla, California*

Forthcoming Events

December

15-18. **High Energy Astronomy**, symp., Univ. of Texas, Austin. (Office of Aerospace Research, 4th and Independence Avenue, SW, Washington, D.C. 20233)

15-18. **Relativistic Astrophysics**, symp., Univ. of Texas and Southwestern Center for Advanced Studies, Austin. (Mrs. J. Wardlaw, Dept. of Physics, Physics Bldg. 438, Univ. of Texas, Austin 78712)

16-21. **Inter-American Congr. of Psychology**, 9th annual, Miami, Fla. (V. D. Sanua, Yeshiva Univ., 110 W. 57 St., New York 10019)

20-24. **Theoretical and Applied Mechanics**, congr., Kanpur, India. (M. K. Jain, Indian Inst. of Technology, Kharagpur)

21-23. **American Physical Soc.**, Berkeley, Calif. (W. Whaling, California Inst. of Technology, 1201 East California St., Pasadena)

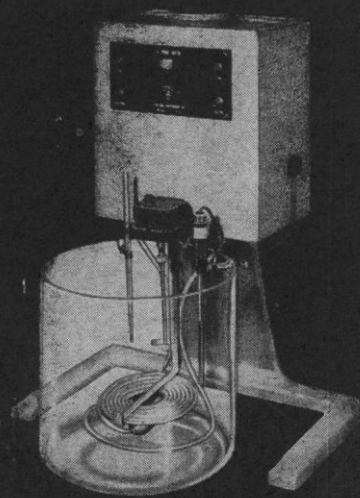
21-23. **Biology of Marine Microorganisms**, conf., Univ. of California, Berkeley. (R. Newton, Letters and Science Extension, Univ. of California, Berkeley 94720)

26-29. **Society of Systematic Zoology/American Soc. Zoologists/Herpetologists' League**, annual, Univ. of Tennessee, Knoxville. (J. G. Rozen, Jr., Dept. of Entomology, SSZ, American Museum Natural History, Central Park West and 79th St., New York, N.Y.; A. G. Richards, ASZ, Dept. of Entomology, Univ. of Minnesota, St. Paul 55101; J. M. Legler, HL,

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Dept. of Zoology, Univ. of Utah, Salt Lake City)

26-31. **American Assoc. for the Advancement of Science**, annual, Montreal, Canada. (R. L. Taylor, AAAS, 1515 Massachusetts Ave., NW, Washington, D.C. 20005)

The following 45 organizations will meet in conjunction with the AAAS annual meeting in Montreal, Canada, 26-31 December:

Academy Conference (J. T. Self, Dept. of Zoology, Univ. of Montreal, Montreal)
Academy of Psychoanalysis (M. Ullman, Maimonides Hospital, 4802 Tenth Ave., Brooklyn 19, N.Y.)

Alpha Epsilon Delta (M. L. Moore, 7 Brookside Circle, Bronxville, N.Y. 10708)

AAAS Commission on Science Education (J. R. Mayor, AAAS, 1515 Massachusetts Ave., NW, Washington, D.C. 20005)

American Astronautical Soc. (E. van Dreist, Director, Space Science Laboratory, North American Aviation, Downey, Calif.)

American Astronomical Soc. (G. C. McVittie, Univ. of Illinois Observatory, Urbana)

American Economic Association (H. E. English, Private Planning Assoc., 712 Sun Life Bldg., Montreal 2)

American Meteorological Soc. (K. C. Spengler, AMS, 45 Beacon St., Boston, Mass.)

American Nature Study Soc. (V. Rockcastle, Cornell Univ., Ithaca, N.Y.)

American Soc. of Naturalists (S. Granick, Rockefeller Inst., 66th St. and York Ave., New York 10021)

American Political Science Assoc. (E. B. Skolnikoff, Massachusetts Inst. of Technology, Cambridge)

American Soc. of Criminology (W. C. Reckless, Dept. of Sociology, Ohio State Univ., Columbus)

American Soc. for Microbiology (S. J. Ajl, Director of Research, Albert Einstein Medical Center, York and Tabor Rds., Philadelphia 41, Pa.)

American Soc. of Zoologists, Animal Behavior and Sociobiology Div. (G. W. Barlow, Vivarium Bldg., Wright and Healey Sts., Univ. of Illinois, Champaign)

American Sociological Assoc. (W. E. Moore, Russell Sage Foundation, 230 Park Ave., New York, N.Y.)

Animal Behavior Soc. (J. P. Scott, Jackson Laboratory, Hamilton Station, Bar Harbor, Maine)

Association canadienne-française pour l'Avancement des Sciences (M. J. Beauregard, ACFAS, C.P. 6128, Univ. of Montreal, Montreal)

Association for Computing Machinery, Bio-group (M. Woodbury, New York Univ. Medical Center, New York, N.Y.)

Biometric Soc. (D. S. Robson, Cornell Univ., Ithaca, N.Y.)

Canadian Aeronautics & Space Inst. (H. C. Luttman, CASI, 77 Metcalf St., Ottawa 4)

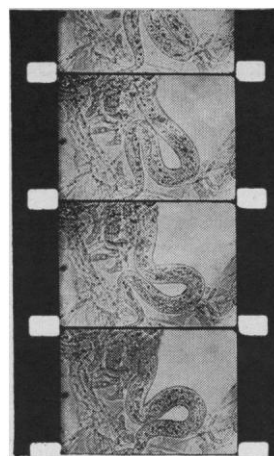
Canadian Assoc. of Geographers (J. T. Parry, Morrice Hall, McGill Univ., Montreal)

Canadian Assoc. of Physicists (A. C. H. Hallett, Dept. of Physics, Univ. of Toronto, Toronto 5)

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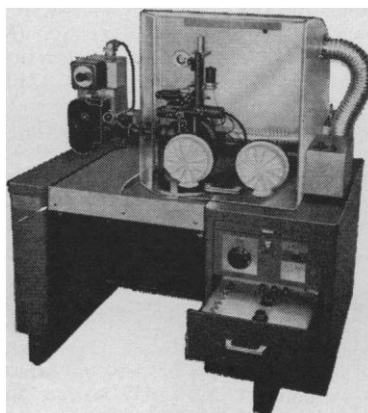
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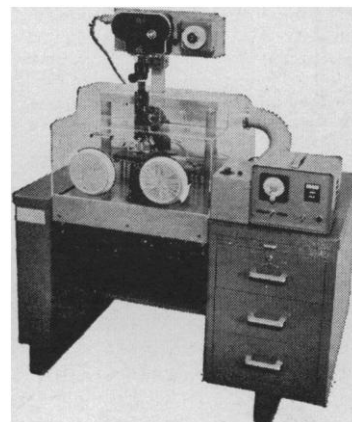
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Canadian Science Fairs Council (H. I. Bolker, Pulp & Paper Research Inst. of Canada, 3420 University St., Montreal 2)

Canadian Soc. Zoologists (J. Marsden, McGill Univ., Montreal, Canada)

Ecological Soc. of America (G. M. Woodwell, Brookhaven Natl. Laboratory, Upton, L.I., N.Y.)

Engineering Institute of Canada (G. T. Page, EIC, 2050 Mansfield St., Montreal)

Entomological Soc. of Canada (I. S. Lindsay, Defence Research Board, 125 Elgin St., Ottawa)

History of Science Soc. (J. E. Murdoch, Harvard Univ., Cambridge, Mass.)

Institute of Management Sciences (B. V. Dean, Dept. of Management, Case Inst. of Technology, Cleveland, Ohio)

Metric Assoc. (R. P. Fischelis, Ohio Northern Univ., Ada)

National Assoc. of Biology Teachers (R. Beidleman, Colorado College, Colorado Springs)

National Assoc. of Science Writers (L. S. Zahn, Hill & Knowlton, Inc., 150 E. 42 St., New York, N.Y.)

National Council of Teachers of Mathematics (J. Gates, NCTM, 1201 16th St., NW, Washington, D.C.)

National Geographic Soc. (R. W. Gray, NGS, 16th and M Sts., NW, Washington, D.C.)

National Inst. of Social and Behavioral Science (D. P. Ray, NISBS, 863 Benjamin Franklin Station, Washington, D.C.)

National Science Teachers Assoc. (A. F. Eiss, NSTA, 1201 16th St., NW, Washington, D.C. 20006)

Pharmacological Soc. of Canada (C. W.

Nash, Dept. of Pharmacology, Univ. of Alberta, Edmonton)

Sigma Delta Epsilon (S. C. Stevens, VA Hospital, Lincoln, Neb.)

Society for Computer Science in Biology and Medicine (R. S. Ledley, Natl. Biomedical Research Foundation, 8600 16th St., NW, Silver Spring, Md.)

Society for Economic Botany (Q. Jones, New Crops Research Branch, Plant Industry Station, Beltsville, Md.)

Society for General Systems Research (J. H. Milsum, Dept. of Electrical Engineering, McGill Univ., Montreal)

Society for the History of Technology (J. J. Beer, Dept. of History, Univ. of Delaware, Newark)

Society of the Sigma Xi (T. T. Holme, Sigma Xi, 51 Prospect St., New Haven, Conn. 06511)

Society of Technical Writers and Publishers (G. Marx, Director of Communications, Illinois Inst. of Technology, Research Inst., Chicago)

27-29. **American Philosophical Assoc.**, Boston, Mass. (L. E. Hahn, Dept. of Philosophy, Southern Illinois Univ., Carbondale 62903)

27-30. **American Statistical Assoc.**, Chicago, Ill. (D. C. Riley, ASA, 810 18th St., NW, Washington, D.C. 20006)

28-30. **American Economic Assoc.**, annual, Chicago, Ill. (H. F. Williamson, AEA, 629 Noyes St., Evanston, Ill.)

28-30. **American Geophysical Union**, Seattle, Wash. (W. W. Kellogg, Rand Corporation, 1700 Main St., Santa Monica, Calif.)

28-30. **Linguistic Soc. of America**, New York, N.Y. (A. A. Hill, Post Office Box 8120, University Station, Austin, Tex.)

28-30. **Western Soc. of Naturalists**, Univ. of Washington, Seattle. (I. A. Abbott, Hopkins Marine Station of Stanford Univ., Pacific Grove, Calif.)

30. **Scientific Research Soc. of America**, Cleveland, Ohio. (D. B. Prentice, 51 Prospect St., New Haven 11, Conn.)

January

5-7. **Glass Formation, Phase Equilibria, Nucleation and Crystal Growth**, symp., Sheffield, England. (D. Hawksworth, Soc. of Glass Technology, Thorton, 20 Hallam Gate Rd., Sheffield 10)

5-8. **Solid State Physics**, 2nd annual conf., H. H. Wills Physics Laboratory, University of Bristol, England. (Administrative Assistant, Inst. of Physics and Physical Soc., 47, Belgrave Square, London, S.W.1)

6-8. **Industrial Electronics and Control Instrumentation**, 13th annual conf., Philadelphia, Pa. (E. Weiss, Sun Oil Co., Marcus Hook, Pa.)

6-9. **Psychopharmacological Conf.**, Czechoslovak Medical Soc., Psychiatry Section, Jeseník Spa. (M. Vojtechovsky, Budejovicka 800, Pavillion A1, Prague, Czechoslovakia)

8-9. **Orthopaedic Research Society**, New York, N.Y. (R. A. Calandruccio, 869 Madison Ave., Memphis, Tenn.)

9-14. **American Acad. of Orthopedic Surgeons**, annual, New York, N.Y. (H. K.

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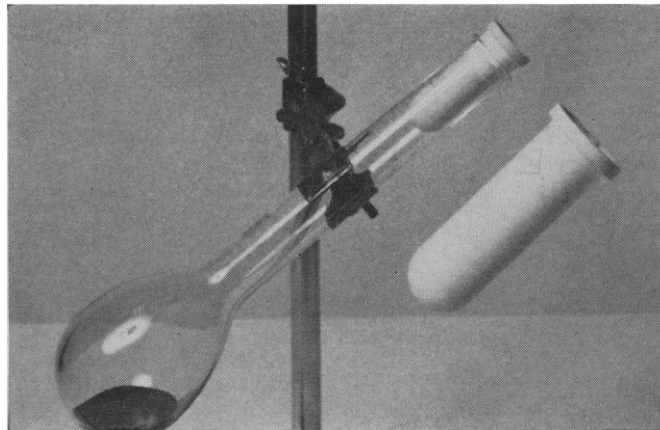
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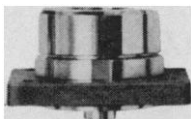
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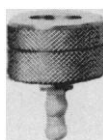
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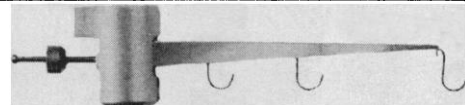
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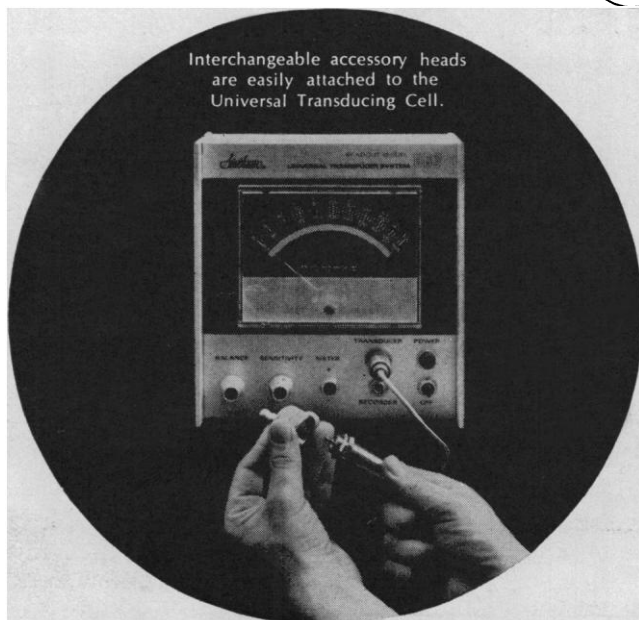


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11-14. **Civilian and Military Uses of Aerospace**, conf., New York, N.Y. (I. B. Laskowitz, New York Acad. of Sciences, 2 E. 63 St., New York)

12-14. **Reliability and Quality Control**, symp., Miami, Fla. (H. D. Hulme, Westinghouse R&D Center, Bldg. 601-1346, Churchill Boro, Pittsburgh, Pa.)

12-15. **Crustacea**, symp., Cochin, India. (Marine Biological Assoc. of India, Marine Fisheries P.O., Mandapam Camp, S. India)

14. **American Genetic Assoc.**, Washington, D.C. (W. R. Singleton, Biology Bldg., Univ. of Virginia, Charlottesville)

18-20. **Solar Radiation Simulation**, intern. conf., Los Angeles, Calif. (H. F. Sander, Inst. of Environmental Science, 34 S. Main St., Mount Prospect, Ill.)

19. **Cor Pulmonale**, New York Heart Assoc., annual medical conf., New York, N.Y. (NYHA, 10 Columbus Circle, New York 10019)

19-20. **Die Design and Press Tooling Conf.**, American Soc. of Tool and Manufacturing Engineers, Hartford, Conn. (M. Zapico, Asst. Conf. Director, ASTME, 10700 Puritan Ave., Detroit 38, Mich.)

20-22. **Instrumentation**, College Station, Tex. (P. T. Eubank, Chemical Engineering Dept., Texas A&M Univ., College Station)

20-23. **National Soc. of Professional Engineers**, New Orleans, La. (P. H. Robbins, 2029 K St., NW, Washington, D.C.)

22. **Bibliographical Soc. of America**, New York, N.Y. (Mrs. H. C. Ralph, P.O. Box 397, Grand Central Station, New York 10017)

22-1. **Earthquake Engineering**, 3rd world conf., Auckland and Wellington, New Zealand. (Administrative Secretary, Third World Conf. on Earthquake Engineering, P.O. Box 5180, Wellington)

22-23. **Blood**, annual symp., Detroit, Mich. (W. H. Seegers, Dept. of Physiology and Pharmacology, Wayne State Univ. College of Medicine, Detroit)

22-23. **Hydrocarbon Analysis**, symp., American Soc. for Testing and Materials, Houston, Tex. (ASTM, 1916 Race St., Philadelphia 3, Pa.)

25-26. **Fundamental Phenomena in the Material Sciences**, 3rd annual symp., Boston, Mass. (D. B. Fay, Ilikon Corp., Natick Industrial Centre, Natick, Mass.)

25-26. **Viruses of Laboratory Rodents**, symp., Atlanta, Ga. (R. Holdenried, Natl. Cancer Inst., NIH, Bethesda, Md. 20014)

25-27. **American Inst. of Aeronautics and Astronautics**, New York, N.Y. (J. Bidwell, AIAA, 1290 Avenue of the Americas, New York 10019)

25-28. **American Meteorological Soc.**, annual, New York, N.Y. (K. Spengler, AMS, 45 Beacon St., Boston 8, Mass.)

25-28. **American Society of Heating, Refrigerating and Air-Conditioning Engineers**, Chicago, Ill. (R. C. Cross, 345 E. 47 St., New York 10017)

25-28. **Modern Methods of Analytical Chemistry**, 18th annual intern. symp., Baton Rouge, La. (P. W. West, Dept. of Chemistry, Louisiana State Univ., Baton Rouge)

25-28. **Cardiovascular Diseases**, 2nd natl. conf., Washington, D.C. (C. H. Maxwell, 9650 Wisconsin Ave., NW, Washington, D.C. 20014)



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25-29. American Mathematical Soc., Denver, Colo. (G. L. Walker, AMS, 190 Hope St., Providence, R.I.)

25-29. American Soc. for Testing and Materials, steel meeting, Mexico City, Mexico. (H. H. Hamilton, Public Relations, ASTM, 1916 Race St., Philadelphia, Pa. 19103)

25-30. American Library Assoc., Washington, D.C. (D. H. Clift, ALA, 50 E. Huron St., Chicago, Ill.)

26. Quasi Stellar Radio Sources, American Inst. of Physics, New York, N. Y. (E. H. Kone, AIP, 335 E. 45 St. New York 10017)

26. Mossbauer Effect Methodology, symp., New York, N.Y. (M. Ress, New England Nuclear Corp., 575 Albany St., Boston, Mass.)

27-30. American Group Psychotherapy Assoc., annual, San Francisco, Calif. (AGPA, Inc., 1790 Broadway, Room 516, New York, N.Y. 10019)

27-30. American Physical Soc., New York, N.Y. (K. K. Darrow, Pupin Physics Laboratory, Columbia Univ., New York)

Meeting Notes

The following are scientific and technical meetings scheduled in the U.S.S.R. and satellite nations. Similar lists will appear regularly in this section. In cases where no other source of information is known, the Academy of Sciences of the nation involved is listed. The address of the Academy of Sciences of the U.S.S.R. is Lenin Prospekt 7, Moscow.

December 1964

3-5. Sociological Questions Pertaining to the **Medical Field**, East German Hygiene Soc., symp., Berlin. (German Acad. of Sciences, Mohrenstrasse 39, Berlin W.8)

7-9. **Welding**, symp., Scientific Soc. for Mechanical Engineering, Hungary. (Scientific Soc. for Mechanical Engineering, Szabadsag ter 17, Budapest 5, Hungary)

15-16. **Periodic Functions in Live Matter**, Czechoslovak Meteorological Soc., Prague. (J. Novak, Dermatology Clinic, Prague 2, Apolinarska 4)

December 1964 (dates unknown)

Theoretical Bases of the Regulation of **Mineral Nourishment** under Controlled Conditions, Moscow, U.S.S.R. (Inst. of Plant Physiology, Leninskiy Prospekt 33, Moscow V-71)

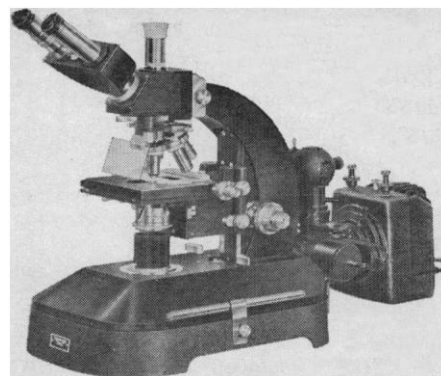
1964 (dates unknown)

Animal Blood Group, 9th conf., Czechoslovakia. (Czechoslovak Acad. of Sciences, Narodni tr. 3, Prague)

Czechoslovak-Polish **Medical Conf.**, annual, Czechoslovakia. (Czechoslovak Acad. of Sciences, Narodni tr. 3, Prague)

Czechoslovak **Scientific-Technical Soc.**, conf., Prague. (Czechoslovak Scientific-Technical Soc., Central Council, Siroka 5, Prague 1-Stare Mesto)

Economic and Administrative Applications of **Digital Computers**, colloquium, Hungary. (A. Prekopa, "Bolyai Janos"



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