

Univ. of Pennsylvania, Philadelphia 4, Pa.)
 27-29. American Geophysical Union, 1st western natl., Los Angeles, Calif. (A. N. Sayre, U.S. Geological Survey, Washington 25)

27-29. American Physical Soc., Los Angeles, Calif. (K. K. Darrow, 538 W. 120 St., New York 27)

27-29. Western Soc. of Naturalists, Eugene, Ore. (I. A. Abbott, Hopkins Marine Station, Pacific Grove, Calif.)

27-30. Institute of Mathematical Statistics, annual, New York, N.Y. (D. C. Riley, American Statistical Assoc., 1757 K St., NW, Washington 6)

28-29. Northwest Scientific Assoc., Spo-

kane, Wash. (E. J. Larrison, Univ. of Idaho, Moscow)

28-29. American Chemical Soc., Div. of Industrial and Engineering Chemistry, Newark, Del. (Scientific Liaison Office, Natl. Research Council, Sussex Dr., Ottawa, Canada)

28-29. Linguistic Soc. of America, annual, Chicago, Ill. (A. A. Hill, Box 7790 University Station, Austin 12, Texas)

28-30. Archaeological Inst. of America, Detroit, Mich. (L. A. Campbell, 5 Washington Square N., New York 3)

28-30. Phi Delta Kappa, Bloomington, Ind. (R. S. Merkel, Indiana Central College, Indianapolis 27)

January

2-3. California Assoc. of Chemistry Teachers, San Luis Obispo, Calif. (R. Major, 1736 N. Sierra Bonita Ave., Hollywood 46, Calif.)

8-12. International Heat Transfer Conf., Institution of Mechanical Engineers, London, England. (Secretary, IME, 1 Birdcage Walk, Westminster, London, S.W.1)

8-12. Society of Automotive Engineers, annual, Detroit, Mich. (R. W. Crory, SAE, 485 Lexington Ave., New York 17, N.Y.)

8-13. Central Treaty Organization, Role of Science in Natural Resources, Lahore, Pakistan. (Office of Intern. Conferences, Dept. of State, Washington 25)

9-11. Reliability and Quality Control, 8th natl. symp., Institute of Radio Engineers and American Inst. of Electrical Engineers, Washington D.C. (Scientific Liaison Office, Natl. Research Council, Sussex Dr., Ottawa, Ont., Canada)

9-12. Radioactive Isotopes in Clinical Medicine and Research, 2nd symp., Bad Gastein, Austria. (R. Höfer, Garnisonsgasse 13, Vienna IX, Austria)

9-19. Synoptic Meteorology Code Problems, World Meteorological Organization, Toronto, Ont., Canada. (WMO, 41 Avenue Giuseppe Motta, Geneva, Switzerland)

11. Role of Hormones in Protein Synthesis, Assoc. of Vitamin Chemists, Chicago, Ill. (H. S. Perdue, Abbott Laboratories, N. Chicago)

15-17. American Pomological Soc., Toronto, Canada. (G. M. Kessler, Dept. of Horticulture, Michigan State Univ., E. Lansing)

17-19. Instrument Soc. of America, winter conf. and exhibit, St. Louis, Mo. (W. H. Kushnick, ISA, 313 Sixth Ave., Pittsburgh 22, Pa.)

18-31. Tropical Cyclones, inter-regional seminar, World Meteorological Organization, Tokyo, Japan. (WMO, 41 Avenue Giuseppe Motta, Geneva, Switzerland)

22. American Ethnological Soc., New York, N.Y. (N. F. S. Woodbury, Arizona State Museum, Univ. of Arizona, Tucson)

22-23. Symposium on Perspectives in Virology III, New York, N.Y. (M. Pollard, Univ. of Notre Dame, Notre Dame, Ind.)

22-24. Institute of the Aerospace Sciences, 30th annual, New York, N.Y. (IAS, 2 E. 64 St., New York 21)

22-26. American Mathematical Soc., annual, Cincinnati, Ohio. (AMS, 190 Hope St., Providence 6, R.I.)

23. Conference on Cardiac and Vascular Surgery, New York Heart Assoc., New York, N.Y. (R. Ober, NYHA, 10 Columbus Circle, New York 19)

23-25. American Soc. of Safety Engineers, Philadelphia, Pa. (A. C. Blackman, 5 N. Wabash Ave., Chicago 2, Ill.)

23-25. Obstetrics and Gynaecology, 2nd Asiatic congr., Calcutta, India. (S. Mitra, 4 Chowringhee Terrace, Calcutta 20)

24-26. Mathematical Assoc. of America, 45th annual, Cincinnati, Ohio. (H. M. Gehman, Univ. of Buffalo, Buffalo, N.Y.)

24-26. Thermophysical Properties, symp., American Soc. of Mechanical Engineers, Princeton, N.J. (E. F. Lye, ASME, c/o Thompson Ramo Wooldridge, 23555 Euclid Ave., Cleveland, Ohio)

24-27. American Physical Soc., annual, New York, N.Y. (K. K. Darrow, 538 W. 120 St., New York 27)

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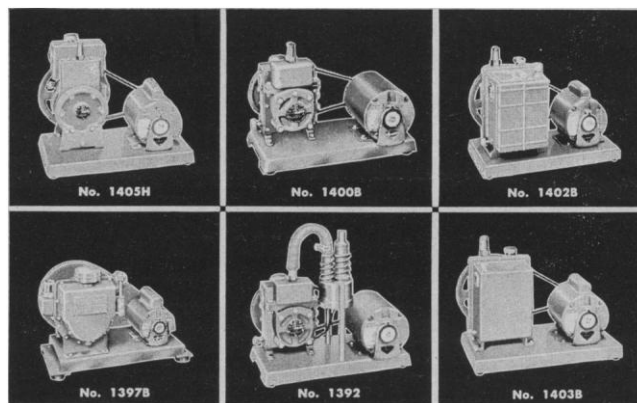
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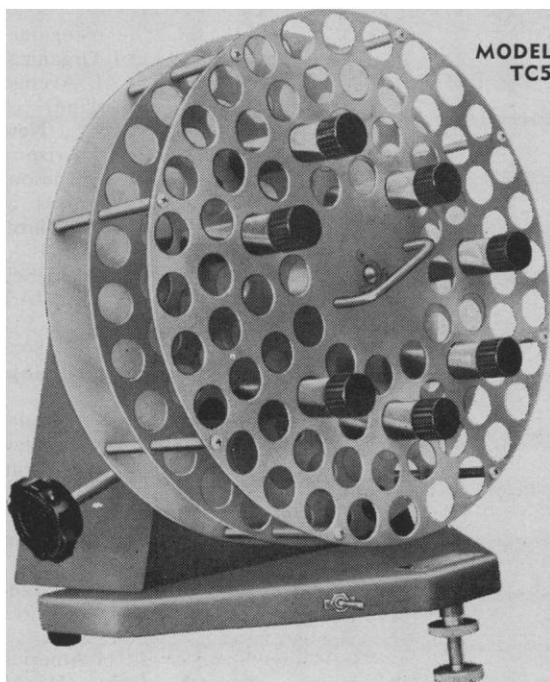
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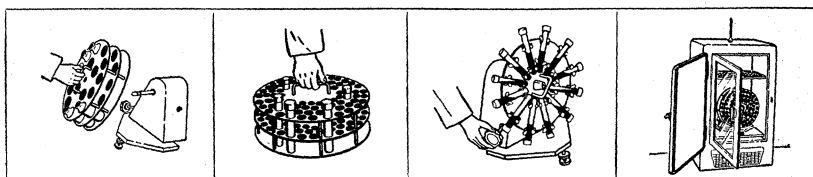
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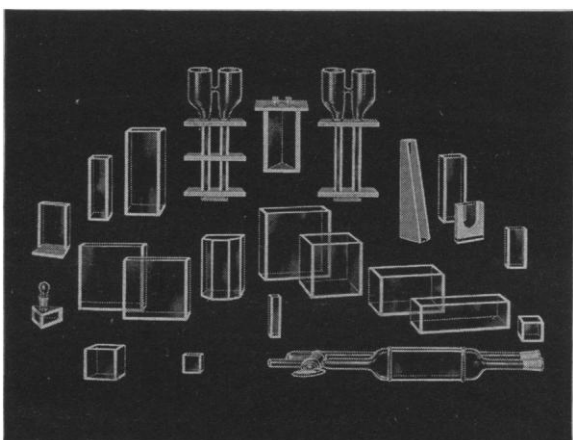
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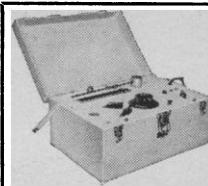
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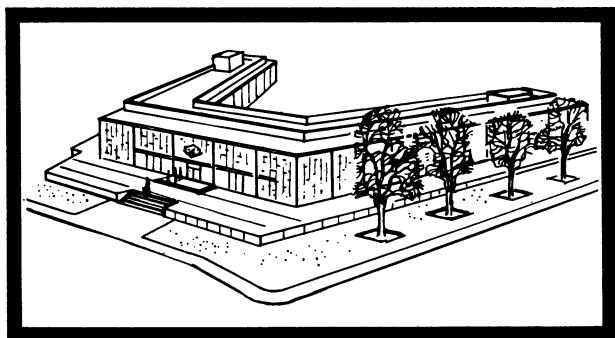
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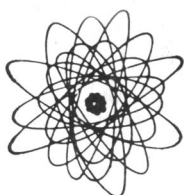
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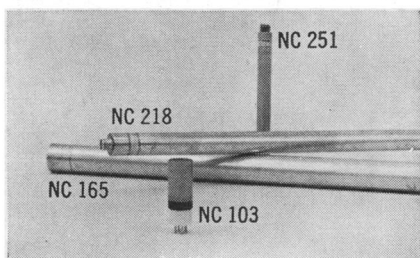
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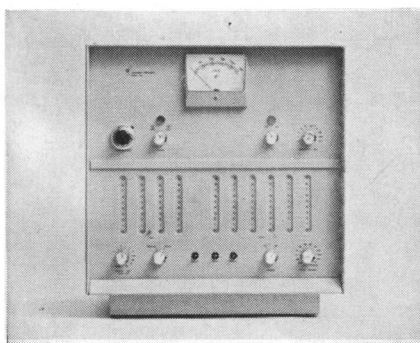
RADIATION DETECTORS ALL SIZES AND SHAPES

The greatly expanded radiation detector facility of Nuclear-Chicago designs and manufactures a wide selection of Geiger and BF_3 tubes. With many standard types and sizes to choose, the research scientist can usually obtain the right detector for his application without the cost of custom processing. Standard mica-end window tubes, cosmic ray detectors, halogen and organic quenched detector tubes, glass wall detectors, and liquid and gas flow detectors are all available. In addition, BF_3 gas proportional neutron detectors may be obtained in practically every size and shape. Their pressures range up to three atmospheres. All are sturdily constructed for long, rugged use.

Typical of the variety of tubes available from Nuclear-Chicago are the four tubes shown above. The NC 103 Proportional Detector represents a unique accomplishment among gas filled, thin end-window detectors because it can distinguish between alphas and betas. It is rated at more than 10^{10} counts without significant loss of resolution. NC 218 is a large cosmic ray neutron detector having a guard ring insulator which

assures low background. NC 251 is a general purpose thermal neutron detector with a ceramic insulator and stainless steel anode for high temperature operation. NC 165 is a sensitive cosmic ray meson detector for use in cosmic ray telescopes or in anticoincidence shields.

This representative sampling illustrates the extent to which our detector facility has progressed in providing the researcher with better radiation detectors. Write for further details on Nuclear-Chicago's quality detector line.



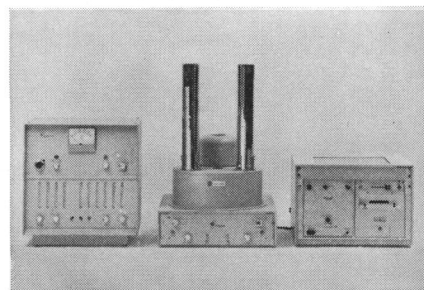
NEW AUTOMATIC DECADE SCALER

Outstanding developments in more glamorous areas of radioactivity measurement have overshadowed the workhorse of the isotope laboratory, the nuclear scaler. Rarely is a new scaler promoted in advertisements. And yet — the versatility of most counting systems is directly related to the design features of the scaling instrument.

Of the dozens of scalers available, Nuclear-Chicago's new 202 Decade Scaler pictured above is the finest complete scaler. It is a fully automatic instrument for use with all G-M, scintillation, or proportional detectors. Note these features: (1) a non-overloading linear amplifier with input sensitivity from 1 mv to 2 v controlled by fixed precision attenuators, (2) a resolution time of 1 microsecond, (3) six decades, (4) electronic timing to 100 minutes in increments of 0.01 minute, (5) both preset count and preset time control, (6) pushbutton electronic start, stop, and reset, (7) regulated low voltage power supply, and (8) regulated high voltage supply variable from 500 to 5000 volts in two ranges with a precision ten-turn control.

If you are considering an isotope laboratory or enlarging your present

facilities, you should investigate the 202 Scaler. We will be pleased to send full specifications.



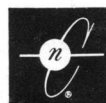
NEW READOUT VERSATILITY FOR AUTOMATIC SAMPLE CHANGERS

An automatic sample changer is an investment which usually pays for itself in a short period of time. Day after day, it programs samples and collects digital or analog data for later use. However, an automatic sample changer is a poor investment if it is not combined with a readout system capable of providing all the needed data.

The 202 Decade Scaler (described above) and new 8400 Digital Recorder are an ideal combination for data readout. The digital recorder simultaneously prints sample index numbers with both time and count information. Once commanded to print by the scaler, the 8400 Recorder supplies reset and start commands to the automatic sample changer connected to it.

Thirteen predetermined time or thirteen predetermined count settings can be selected at the 202 Scaler. A time/count control is provided to command the 8400 Recorder to print when either the preset time or preset count is reached so that samples with low counting rates will not unnecessarily delay the counting cycle.

All Nuclear-Chicago automatic sample changers can be programmed with the 8400 Digital Recorder and 202 Decade Scaler. Detailed specifications on these instruments and on the complete Nuclear-Chicago line are contained in General Catalog S, available on request.



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