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If you qualify for any one of the above positions, write immediately to: Mr. C. S. Southard, Westinghouse Atomic Power Division, P.O. Box 355, Dept. X-75, Pittsburgh 30, Pa.

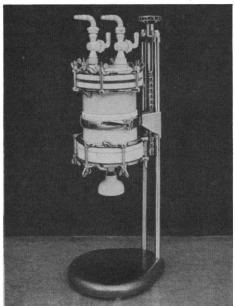
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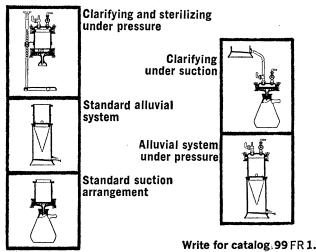
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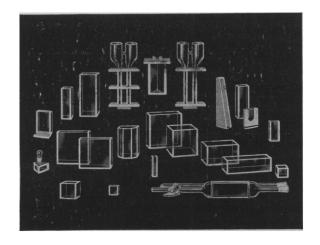
New Products

The information reported here is obtained from manufacturers and from other sources considered to be reliable. Neither Science nor the writer assumes responsibility for the accuracy of the information. All inquiries concerning items listed should be addressed to the manufacturer. Include the department number in your inquiry.

- OSCILLOSCOPE CAMERA uses any of eight interchangeable lenses in varying object-to-image ratios with maximum aperture to f/1.5; the lenses are housed in uniform, prefocused, calibrated mounts with keyed positioning threads. A sliding back permits interchange of par-focal film-holding backs, which lock in five detent positions, and rotation through 90° increments. The camera accepts Polaroid or conventional film. (Tektronix, Inc., Dept. Sci150, P.O. Box 500, Beaverton, Ore.)
- VARIABLE-FREQUENCY GENERATOR for ultrasonic studies covers the frequency range 1 to 100 kcy/sec with output up to 2 Mcy/sec available on special order. Power output is continuously variable from 0 to 2000 watts at frequencies to 50 kcy/sec and from 0 to 1200 watts up to 100 kcy/sec. The standard unit has a choice of ten impedances from 3 to 200 ohms. (International Ultrasonics Inc., Dept. Sci141, 1697 Elizabeth Ave., Rahway, N.J.)
- BLOOD PRESSURE APPARATUS measures the systolic pressure at the ophthalmic artery. The pulse pickup device of the apparatus is fitted into both eyepieces of a pair of goggles that form an airtight compartment around each eye socket. The pickup utilizes the manufacturer's ionization transducer to convert pressure changes of the ophthalmic artery into audible sounds. Air pressure is introduced into the compartment covering the eye until the pulse sound ceases and systolic pressure is read on a standard pressure gage. (Decker Corp., Dept. Sci143, 45 Monument Rd., Bala Cynwyd, Pa.)
- OXYGEN ANALYZER measures traces of oxygen in other gases by means of an electrolytic cell. The electrolyte is contained in a plastic block in which the cathode, a noble metal gauze, is suspended. When the sample of gas is circulated in the cavity above the electrolyte, a small voltage is developed through a network to a recorder which reads in parts per million of oxygen. Traces of oxygen as low as 0.3 part per million are said to be measurable; response time is less than 1 minute for 90 percent change. Readings are independent of the nature of the majority gas. (Thermco Instrument Corp., Dept. Sci140, U.S. 20, LaPorte, Ind.)
- DUAL CENTRIFUGE features a fixed satellite table mounted on a large turntable and so arranged that the absolute angular velocity of the small satellite turntable is controlled independently. Test objects can be subjected to an acceleration field while they rotate about a vertical axis transverse to the field. An additional satellite turntable is provided in order to achieve balance. The independent variable drive on the satellite turntable permits a sinusoidal variation in acceleration forces and may be adjusted to any speed regardless of the rotational speed of the main table. Steady acceleration range is 0 to 100 grav; range of sinusoidal frequencies is 0 to 30 per second. An electronic counter and tachometers are provided for control and measurement. Design accuracy is ±1 count representing $\pm 1/600$ or $\pm 1/60$ of a revolution for the main and satellite tables, respectively. Rated load is 2.5 lb for the satellite table and 5 lb for the main table. The main and auxiliary spindles are connected to external equipment through a series of 24 slip rings and brush assemblies. (Schaevitz Engineering, Dept. Sci151, Rt. 130 at Schaevitz Blvd., Pennsauken, N.J.)

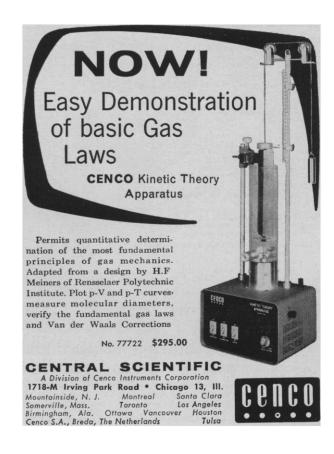
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Clayton, Victoria, Australia
Applications are invited for the posts of Vertebrate Palaeontologist and Ethologist in the Department of Zoology. The head of the department is Professor A. J. Marshall, D.Phil, D.Sc. Oxon. The appointments will be made at either lectureship or senior lectureship level, depending on the status of the successful applicants. Both posts offer special opportunities for field work. The successful applicant in each case must be capable of giving an honors course and supervising research students in his subject. He would begin duties at some time before March 1962.

Salary scales: Senior lecturer, £A2480/100/2950; lecturer, £A1660/100/2360; with provision for superannuation on the FSSU basis. The initial salary will depend on successful candidate's qualifications and experience.

General conditions of appointment (including details of the provisions made for traveling expenses, housing, and so forth) may be had from the Registrar of the university, or from the Registrar of the university, or from the formation may be had from Professor Marshall.

Applications in duplicate, and giving the information listed in the general conditions of appointment, should be lodged with the Registrar of the University not later than 17 May 1961. An applicant resident elsewhere than in Australia or New Zealand should also send one copy of his application to the Secretary, A.U.B.C., 36 Gordon Square, London, W.C.1.

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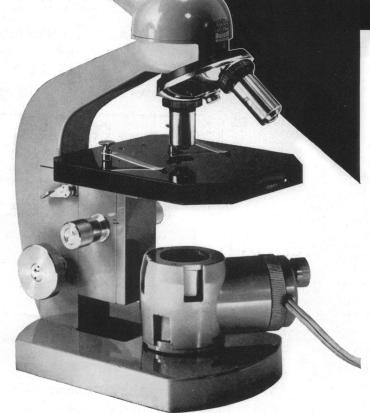
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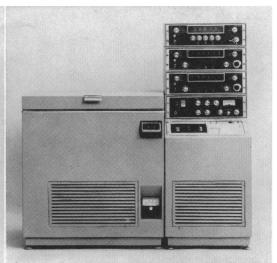
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Model 701 manual operation, shown with 8250 scaler

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