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Standard Grade. A cloth-cured, hand-made tubing corresponding to the best grade of hand-made tubing usually offered to the trade. Specific gravity 1.29. Supplied in both medium and heavy walls.

Laboratory Grade. The best quality of smooth-finish, machine-made tubing. Specific gravity 1.54. Supplied in both medium and heavy walls.

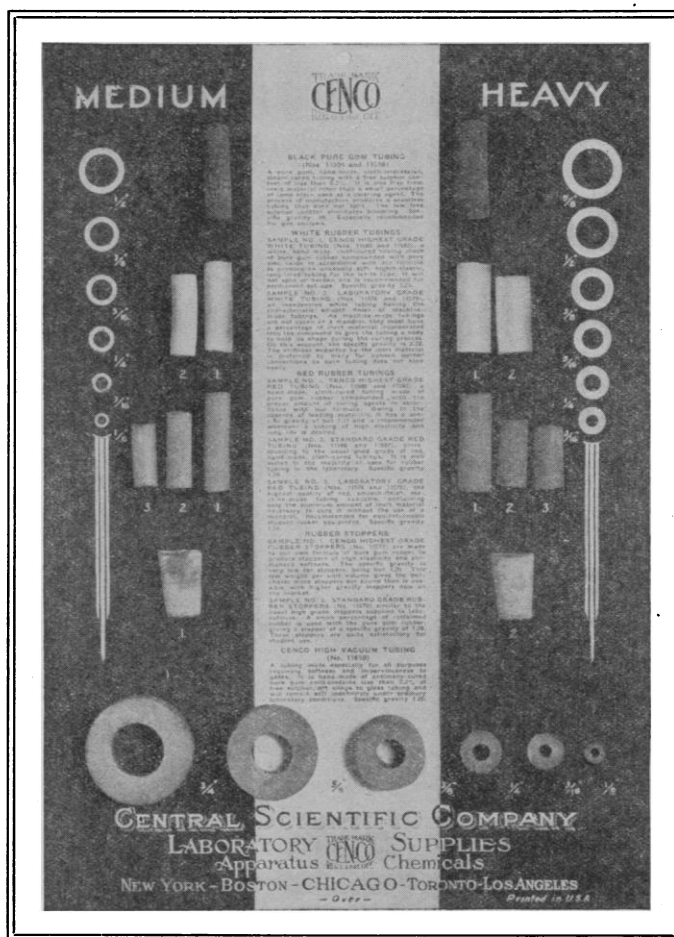
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Cenco (Highest) Grade. A cloth-cured, hand-made tubing cured with zinc oxide. Specific gravity 1.25. Supplied in both medium and heavy walls.

Laboratory Grade. A high quality smooth-finish, machine-made tubing. Specific gravity 2.22. Supplied in both medium and heavy walls.

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HIGH VACUUM TUBING

Cenco Grade. A very heavy-walled, antimony-cured pure-gum tubing containing less than 0.2% free sulphur. It clings to the glass tubing and will remain soft indefinitely.

RUBBER STOPPERS

Cenco (Highest) Grade. Made entirely of pure gum rubber compounded to our own formula. Specific gravity 1.20.

Standard Grade. The usual high quality of rubber stopper containing a high percentage of pure gum with some additions of reclaimed rubber. Specific gravity 1.28.

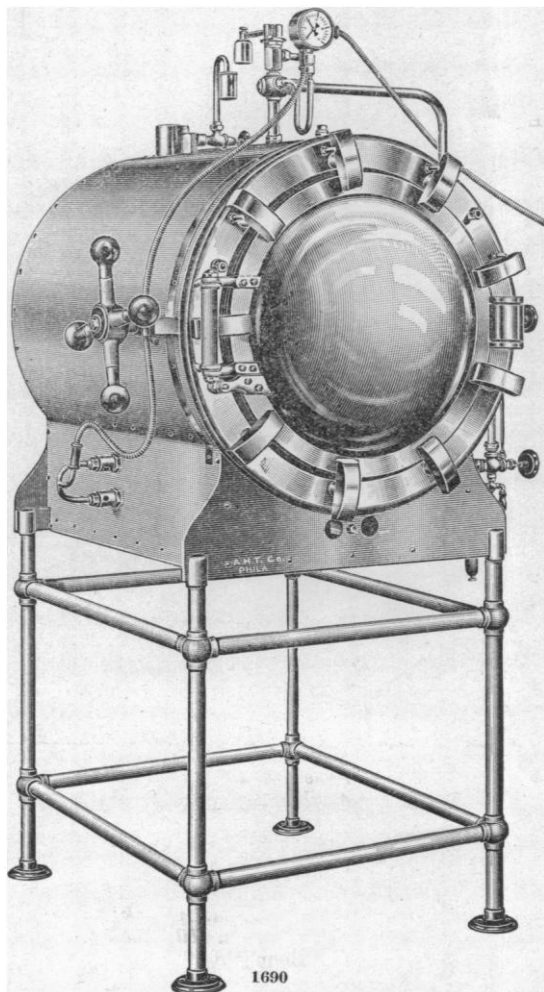
THE CENCO SAMPLE CARD

Samples of all of these items on an artistic card for wall display will be sent to purchasers of rubber goods to assist them in the selection of the most economical grade for any purpose.

1930 RESEARCH MODEL

HORIZONTAL AUTOCLAVE

DOUBLE WALL, WITH AUTOMATIC PRESSURE REGULATOR



For steam pressure sterilization with the utmost control of predeterminable conditions.

Construction. Sterilizing chamber is of heavy, seamless copper tinned on the inside. The door is of bronze, hinged, and deeply convexed for strength. The door clamps, with large bearing surfaces, are quickly and simultaneously operated by a capstan as shown in illustration. The door seats against a replaceable gasket and the opening is of the same diameter as that of the sterilizing chamber. When operated in accordance with directions, opening of the door while under pressure is impossible. The door and exposed copper parts are heavily nicked. The outside steel jacket and the stand are finished in grey enamel.

Pressure Gauge and Regulator. Duplex form with automatic regulation for setting instantly to any desired pressure below blow-off point of adjustable weighted safety valve.

Burner. Multiple tubular form, insuring good distribution of heat and efficient combustion without striking back when gas is throttled by the regulator.

Outlet Valve. For elimination of the irritating vapors from the antiseptic sometimes used in disinfection.

Connections. Flexible metallic tubing for direct connection with gas supply. No permanent connection to water supply is required, so that location of autoclave can be readily changed when desirable and expense of installation connections avoided.

Operation. With controllable air evacuation for time and thermometer reading, or time and pressure readings, as preferred.

Water Gauge. In convenient position at one side.

Thermometer. In armored mount with enclosed glass scale reading from 0 to 150°C in $\frac{1}{10}^{\circ}$. With escape valve for both air and steam to insure exact temperature reading.

Double Wall Construction. Providing for both positive and negative pressure. With steam ejector which insures sterilization by means of "dry saturated" steam and rapid

drying of contents by "dry heat" while the apparatus is under negative pressure. Time is saved in the use of the double wall model because the valve control permits retention of steam under pressure in the jacket between two successive sterilizations.

Air Filter. Dust-proof because of its dependent position. All air except that borne in the water enters the sterilizing chamber through this filter.

Ventilator. A 3-inch standard flue pipe connection conveys combustion products to the laboratory hood.

Tests. The seamless retorts are tested to 35 lbs. steam pressure per square inch.

1690. Autoclave, Horizontal, 1930 Research Model, Double Wall, as above described. Inside dimensions, 19½ inches diameter × 31 inches deep; on high iron stand. For gas heating only. With directions for use 850.00
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THE RISE OF MAN¹

By Professor JAMES H. BREASTED

ORIENTAL INSTITUTE, UNIVERSITY OF CHICAGO, CHICAGO, ILL.

WE are gathered here this morning to give some thought to the purpose and meaning of a new building associated with a great university. If this were a new building intended for the study and teaching of some branch of natural science, such as geology or chemistry or physics, we would seem to be engaged in a routine familiar to us all, for such laboratories have long been known to us at other large universities. It is an interesting fact, however, that we would find no parallel to this building in any other university, either in America or abroad. Far from mentioning this fact by way of gratifying our own vanity, I call your attention to it because it is a fact of which I am constantly conscious as laying upon us a great and unique responsibility. It is a fact which obviously raises the question "Why." When other universities have not recognized such a need, why this new building here and why the researches to be housed in it?

I have lived for more than forty years in daily realization of the need of such a building, and to me the

¹ Address given on the occasion of the dedication of the Oriental Institute of the University of Chicago.

natural question seems rather to be: "Why should science, which builds its laboratories to investigate the history of every other creature from the frog to the horse, never have created a laboratory for the investigation of early man, the most important of all creatures?" The investigations centering in this building make it a laboratory devoted to man, to his origins and the evolution of the civilization which we have inherited. The life going on in this building invites you to a new vision of the place of man in a universe out of which he has issued with new and sovereign powers to understand something of that universe and his own place in it.

MAN'S PLACE IN NATURE

For ages man has seen himself against a background of nature. Gradually his own achievements have profoundly modified his ideas of his own position in the visible world about him. When Stone Age man shifted from hunting to agriculture and for the first time felt his dependence on the fruitfulness of the earth, it led him to deify the fertility of the green

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The successful candidate, upon receipt of notification of the award, shall undertake an investigation, the subject of which shall be approved by the Board of Directors, at any institution of learning either in the United States or abroad that may be approved by the Board of Directors.

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Applicants for the Weston Fellowship in Electrochemistry (\$1000) for the university term 1932-33 are urged to mail their applications as early as possible. They must reach the Secretary's office on or before March 1st, 1932.

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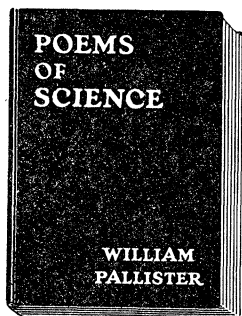
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