

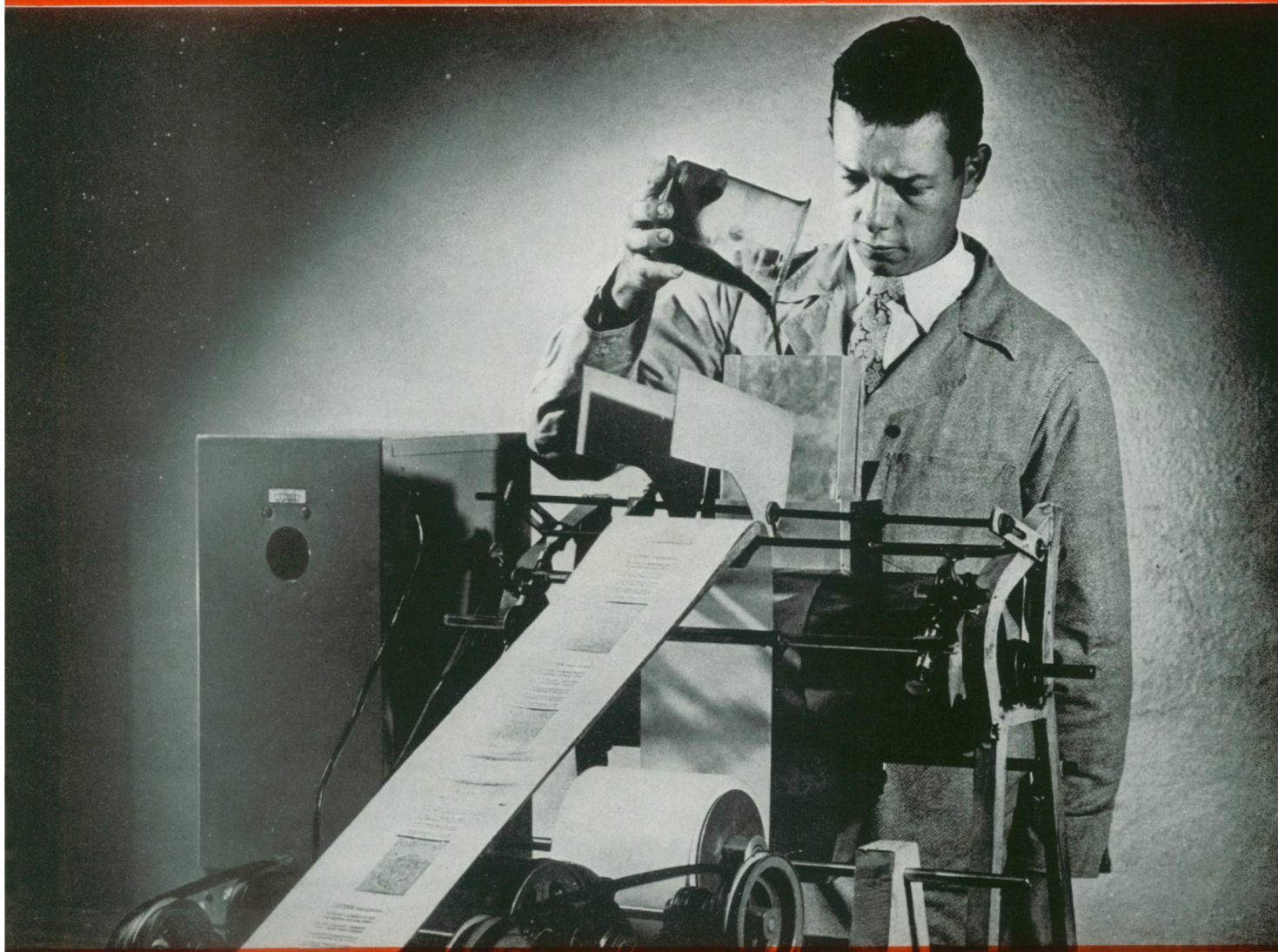
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OCTOBER 23, 1948

SCIENCE NEWS LETTER

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THE WEEKLY SUMMARY OF CURRENT SCIENCE



Dry Printing

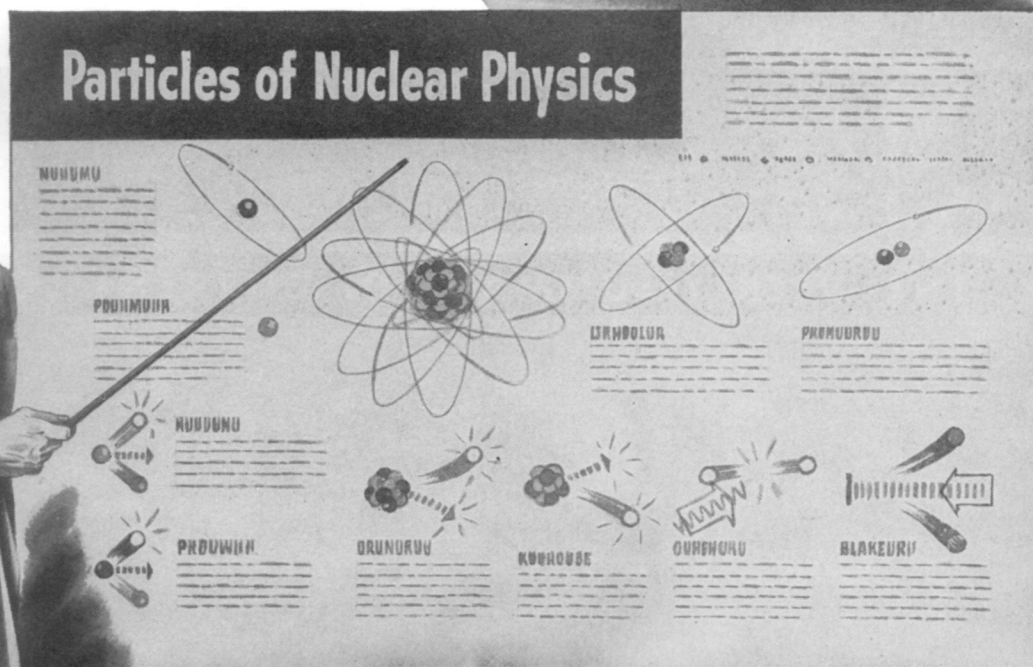
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Vol. 54 NO. 17

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I AGRICULTURAL PRODUCTS COLLECTION

An oil shampoo, the chief ingredients of which were extracted from coffee beans; complete boll of fluffy white cotton; ramie stem complete with ribbons of fiber just beneath the thin bark—these are some of the exciting objects contained in the COFFEE BYPRODUCTS, COTTON and RAMIE UNITS making up this collection. In the picture you see the 16 specimens that will be yours if you select this group. The oil shampoo, powdered soap, all-purpose cleanser and hair rinse were all made from roasted coffee beans (center). Cotton tinted brown and green by nature, as well as white cotton fibers, a complete cotton ball, cottonseed meal and cottonseed hulls (right) are also included. Ramie stem, ribbons of the fiber, degummed fiber, fiber ready for spinning and completed fabric (left) demonstrate the story of this unique fiber.

II TASTE COLLECTION

Sugar 500 times as sweet as sucrose; pieces of tan-colored bark used to season food; an edible wetting agent often used in chocolate, nut brittle and toffee—these and many other intriguing specimens are contained in the SWEETNESS, SPICE and SOYBEAN LECITHIN UNITS which make this tasty collection. There are 18 specimens in all, including saccharin, dextrose, lactose, allspice, cinnamon, cloves, ginger, sage, mustard, soybeans, pure lecithin and lecithinated flour.

III HOME COLLECTION

Paints that glow in the dark; plastic spoon for measuring coffee; reinforced plastic film for shelf and table covering—these are the interesting objects in the PHOSPHORESCENCE, HOME AND OFFICE, and HOUSING MATERIALS UNITS contained in this collection. The 16 specimens to be found in these three boxes include phosphorescent tape and paint, coffee measure, plastic-and-wire screening, shaver head, wood fiber insulation board, plywood, glass fiber fabric and glass insulation.

IV PLANT COLLECTION

Latex from the sapodilla tree, basic material for chewing gum; crystals that kill insects; brilliant dyes obtained from plant roots—these are the interesting specimens in the CHICLE, INSECTICIDE and VEGETABLE DYE UNITS that will be sent if you order this collection. Included in the 18 specimens making up these three kits are raw chicle, unfinished gum centers, candy-coated gum, DDT crystals, powdered DDT, wettable DDT, pyrethrum flowers and rotenone dust.

V CHEMICAL COLLECTION

Powder from which you can make a length of synthetic fiber; a yellow non-metallic element used for matches, fertilizer and insecticides; zinc made fine-grained by incorporation of only 0.05% lithium—these are contained in the VINYL RESIN FIBER, SULFUR and LITHIUM UNITS comprising this collection. The 20 specimens include vinyl resin, filter cloth, felt, tea bags, sulfur-bearing limestone, pyrites, zinc sulfide, flowers of sulfur, natural spodumene, lithium chloride, lithium nitride, pure zinc and lithium treated zinc.

VI TEXTILE COLLECTION

Material made from cat-tails; twisted cord used in auto tires; soft fibers made from glass—these are the surprising subjects in the UNUSUAL FABRICS, RAYON and GLASS FIBER UNITS. Sixteen specimens are contained in the three packages, and include fabric pressed from spruce-pulp cellulose, "fur" made from the Typha plant, fabric made from milk protein, cotton pulp, chemical cotton in sheet form, rayon fabric lining material, large glass fibers that break easily, and fine ones about .00022 inch in diameter.

VII MINERAL COLLECTION

Stone that attracts bits of iron; remains of trees that lived millions of years ago; bits of semi-precious stone used in sand blasting and abrasives—these are the intriguing specimens in the LODESTONE, PETRIFIED WOOD and SAND UNITS to be sent those selecting this collection. Among the 17 specimens in this set are lodestone, iron filings, compass card, petrified oak, elm, redwood, sweetgum and bag, round sand, greensand, heavy sand, calcareous sand and garnet sand.

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