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# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE



**"Eye-Dropper" Technique**

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## A LIGHT COLLECTION

A mineral that makes you see double; a printed circuit; materials with which to assemble a dry cell—these are the exciting objects contained in the MINERAL OPTICS, ELECTRONIC and DRY CELL UNITS making up this collection. Among the 20 specimens contained in this group are a subminiature tube, light sensitive cell, iceland spar and labradorite. A factory-assembled dry cell and the materials needed to make one at home—zinc can, wrapped bobbin, bottom washer, top collar, sealing compound and label—are included along with a tiny flashlight bulb, litmus paper, wire, iron rod and filings with which to perform experiments.

## B COLOR COLLECTION

Paints that glow in the dark; red and green plastic sheets that together cut out all light; brilliant dyes obtained from plant roots—these and many other intriguing specimens are contained in the PHOSPHORESCENCE, PLASTIC PILOT AIDS and VEGETABLE DYES UNITS which make this colorful collection. There are fourteen specimens in all, including blind flying sheeting in red and green, dimout blue sheeting, ultra violet transmitting sheeting, phosphorescence plastic, tape, pigment, paint, madder, indigo, tumeric and alum.

## C MINERAL COLLECTION

Stones showing the original structure of trees that grew millions of years ago; vacuum tube insulator made from one of the softest known minerals; rock containing traces of native sulfur—these are the surprising subjects in the PETRIFIED WOOD, TALC and SULFUR UNITS making up this collection. In the three boxes there are seventeen specimens, including petrified sweetgum, redwood, oak, elm and bog, fired and natural talc, sulfur-bearing limestone, iron sulfide, zinc sulfide, crude sulfur and flowers of sulfur.

## D UNUSUAL MATERIALS COLLECTION

Porous cushioning material for upholstery; glass-enclosed air cells used to keep out heat or cold; zinc made fine-grained by incorporation of only 0.05% lithium—these materials of industrial importance are contained in the HOUSING, HOME AND OFFICE and LITHIUM UNITS. The eighteen specimens contained in these three blue boxes include wood-fiber wallboard, plywood, glass fiber fabric, coffee measure, airfoam, plastic and wire screening, shaver head, natural spodumine, lithium chloride, lithium nitride, pure zinc, zinc and lithium master alloy, and lithium-treated zinc.

## E FIBER COLLECTION

Synthetic fiber made from skim milk; twisted rayon cord used in auto tires; glass fibers less than three ten-thousandths of an inch in diameter—these are the interesting subjects of the CASEIN, RAYON and GLASS FIBER UNITS that will be sent to those selecting this collection. In the three boxes that make up this series of exhibits there are fifteen specimens, including casein powder, raw fiber spun from casein, aralac, soft glass fiber, cotton lintens, chemical cotton pulp, rayon tire cord and rayon fabric lining material.

## F PLASTIC COLLECTION

Film with a seam that is stronger than the plastic itself; plastic plate with which you can print a bit of illustration or writing; plastic-coated yarn for crocheting or braiding a design—these are the rewarding specimens contained in VINYL PLASTIC FILM, PLASTICS IN PRINTING and PLASTIC COATED YARN UNITS which comprise this unusual scientific collection. There are 20 specimens, including vinyl plastic film, heat sealed seam, spot welded ruffle, plasting printing plate, moisture-proof sheeting, twist leaflet binding, plastic-coated yarn, flame-retardant webbing and fine fabric.

## G TEXTILE COLLECTION

Raw material from which you can make a length of synthetic fiber; complete boll of fluffy white cotton; dye that enables you to identify different types of textiles—you have examples of both natural and synthetic fibers and a means of identifying them in the VINYL RESIN FIBER, COTTON and TEXTILE IDENTIFICATION UNITS. Twenty-two specimens make up this varied display, including vinyl resin, unstretched vinyl resin yarn, filter cloth, sailcloth, waterproof felt, tea bag, cotton boll, cotton that is tinted brown and green by nature, a differential dye and several swatches of different types of fabric to show how to distinguish cotton from silk, rayon and wool.

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