





Ideal for Vacation, Travel and Pictorial Work

In addition, the "Leica" Camera

Meets All the Varied Demands

Equally dependable for Speed Photography, Ordinary Snapshots, Copying, General Record Work or Photomicrography.

Any "Leica" Negative can be enlarged to 12x18".

The "Leica" Fits the Vest Pocket

With "Leica" negatives, one can make transparency rolls for projecting pictures in size up to ten feet for class instruction or entertainment.

Ask for Booklet No. 1127 (NL) and Learn How "The 'Leica' can solve your photographic problem."

E. LEITZ, Inc. 60 East Tenth Street NEW YORK, N. Y.

Agents for Pacific Coast States:

811 West 7th Street SPINDLER & SAUPPE 86 Third Street San Francisco, Calif.

China, home of the silkworm, is entering the artificial silk industry.

Almost 200 rare tortoises brought back from the Galapagos Islands are to be used for breeding in the hope that they may be introduced into this country as an economic asset.

In producing helium the helium bearing gas is cooled to about 300 degrees below zero, at which state all of the constituents of the gas except the helium are reduced to liquid, and the helium gas is then drawn off and compressed into tank cars or steel cylinders for shipment.

THE LIVING TEXTBOOK

Nothing will vitalize science teaching more than a close contact with the actual frontier of man's intellectual conquest of nature.

When earthquakes destroy, physicists probe, chemists create, archæologists dig, biologists discover, or philosophers think, the results of their labors are reported in the

SCIENCE NEWS-LETTER

No better supplementary reading can be provided for pupils in general science, chemistry, physics, biology, or any other science.

Even the history of science is vitalized by the "Classics of Science" which give the details of epochal discoveries in science in the exact words of the great scientists.

Every student should be given his own copy of the Science News-Letter to clip, read and absorb.

Reduced subscription rates for class orders of 10 copies or more to the same address are only 5 cents a copy per week (only \$1.80 for the school year).

Enough samples for the entire class will be sent in September if you write now to:

Subscription Department

SCIENCE NEWS-LETTER

21st and B Sts.

Washington, D. C.

How to Use Index Word Feature

In order to aid in catching the items that concern you and to facilitate clipping and filing, a key-word in italics is printed under the heading of each article. The key words used fit into any system of classification, whether it be a straight alphabetical file, a system of your own devising, the Library of Congress classification or the Dewey

Note that you can clip out any article without fear of damaging another original article in which you might be interested, since editorial matter printed on the right-hand pages is backed by advertising, standing matter, a continuation of the article on the other side, or reprinted quotations.

Library of Congress Classification

The classification of the Library of Congress has come into use owing to the publication by the government of the card index of all new books. We print below a list of the subject titles which are most used in the Science News-Letter. The full scheme of classification is contained in "Outline Scheme of Classes," issued by the Library of Congress.

```
General Works. Polygraphy. Philosophy.
R
\mathbf{BF}
       Psychology.
      Geography, voyages, travel.

Mathematical and astronomical geog-
GA
         raphy.
       Physical geography.
       Oceanology and oceanography.
       Anthropogeography.
Anthropology. Somatology. Ethnol-
                                      Prehistoric
          ogy. Enthnography.
          archæology.
       Folklore.
       Manners and customs.
       Sports and amusements.
                                        Games.
       Economic history and
National production.
                                      conditions.
      Economic history.
                               Agriculture and
HD
         Industries.
       Transportation and communication.
HE
HF
       Commerce.
      Sociology. General. Marriage.
                     General.
HM
      Family. Marriag
Social pathology.
Education.
                                 Woman.
L
M
N
P
       Music.
       Fine arts.
      Philology and linguistics.
Science. General.
      Mathematics.
       Astronomy.
      Physics.
       Chemistry.
      Geology.
Natural history.
      Botany.
      Zoology.
      Human anatomy.
      Physiology.
      Bacteriology.
```

General.

Medicine.

Field crops. Horticulture. Landscape gardening. Pests and plant Forestry. Animal culture. Veterinary medicine. Fish culture and fisheries. Hunting. Game protection. Technology. General. Engineering. General. Hydraulic engineering. Sanitary and municipal engineering. Roads and pavements. Railroads. ΤG Bridges and roofs. THBuilding construction. Mechanical engineering. ΤK Electrical engineering and industries. Motor vehicles. Cycles. Aeronautics. Mineral industries. Mining and Metallurgy TP Chemical technology. TR Photography. Manufactures. Trades. Domestic science. Military science. General. Naval science. General. Dewey Classification The main divisions of the Dewey those who wish to use this system:

Decimal Classification, used in many libraries and by many individuals, is given below for the convenience of 000 GENERAL WORKS-010

Bibliography 020 Library economy 030 General cyclopedias 040 General collected essays 050 General periodicals 060 General societies Newspapers Special libraries. Polygraphy Book rarities PHILOSOPHY— 100 Metaphysics 110 120 Special metaphysical topics 130 Mind and body Philosophical systems Psychology 150 Mental faculties. 160 Logic 170 Ethics Ancient philosophers Modern philosophers RELIGION— 180 190 200 Natural theology 210 220 Bible 230 Doctrinal. Dogmatics. Theology 240 Devotional. Practical Pastoral. 250 Homiletic. Parochial. 260 Church. Institutions. Work 270 Religious history Christian churches and sects Ethnic. Non-Christian 280 290 SOCIOLOGY-300 Statistics 310 Political science 320 330 Political economy 340 Law Administration Associations. Institutions 370 380 Customs. Costumes. Folklore. PHILOLOGY— Commerce. Communication 390 400

410

420

430

Comparative

English

German

French

Italian 460 Spanish 470 Latin 480 Greek Minor Languages
NATURAL SCIENCE— 490 500 510 Mathematics 520 Astronomy 530 **Physics** 540 Chemistry 550 Geology Paleontology 560 570 Biology 580 Botany 590 Zoology USEFUL ARTS— 610 Medicine 620 Engineering 630 Agriculture 640 Domestic economy 650 Commerce Communication. Chemical technology Manufactures 680 Mechanic trades 690 Building 700 FINE ARTS-Landscape gardening Architecture 710 720 730 Sculpture Drawing. Decoration. Design Painting Engraving Photography Music Amusement LITERATURE-American English 830 German French 850 Italian Spanish 870 Latin Greek 890 Minor languages 900 HISTORY-910 Geography and travels Biography 920 Ancient history Modern 940 Europe 950 Asia 960 Africa 970 North America 980 South America Oceanic and polar regions

About Buying Books-

We know how much trouble it sometimes is to get the book that you want.

So if you want to add to your library any book reviewed or noted in the Science News-Letter, or any book in print-just remit to us the publisher's price and we shall rush the book to you postage prepaid.

Don't hesitate to consult with us

on your book problems.

SCIENCE SERVICE 21st and B Sts. Washington, D. C.