Your Students DEMAND

Timely Textbooks

THE WEEKLY SCIENCE NEWS-LETTER is received each week with zest—is looked forward to with interest by the student. The compact, handy form of this small magazine makes it easy to use—it takes up but small space and has many advantages over the bound book. It is illustrated with the doings of men of science TO-DAY—their achievements greet the eye but very shortly after the papers have broadcast their latest discoveries and inventions. Accomplishments that make for world history—that will change many lives and occupations are given to your students months and even years before the interesting facts are printed in book form.

The News-Letter may be ordered in multiple copies. The regular price of 10 cents per copy (\$5.00 per year) is reduced to 6 cents a copy if ten or more are sent to one address.

Clip the coupon below and send to us.

QUANTITY ORDER COUPON	
SCIENCE SERVICE, 21st and B Sts., Washington, D. C.	
Kindly send me copies of the News-	-LETTER beginning with the issue of
for weeks at the rate of 6c. weekly per copy.	
Name	Street
City	State

Say you saw it advertised in the Science News-Letter

PHOTOGRAPHS OF SCIENTISTS

Science Service has a collection of nearly 2,000 photographs of scientists throughout the world. The second installment of this list is published below. Although this list has been checked with care, corrections are requested, since a complete catalog will be issued later. Photographs of scientists not listed are desired.

For the convenience of teachers and scientific enthusiasts, these photographs are offered for sale. Any ten photographs (each postcard size $3\frac{1}{8}$ x5\% inches) will be sent postpaid for only \$2.00. Enlargements, 8 x 10 inches, are \$1.00 each postpaid. Postcard pictures are finished only in black and white, but enlargements are offered either in black and white or sepia on buff stock. Please specify which.

Starred (*) photographs can be furnished as \$1.00 enlargements only. Photographs at these prices are sold with the understanding that they are not to be used for publication.

```
Burlingame, L. L., Biology, Stanford University Burlingham, L. H., Supt. Barnes Hospital, St. Louis Burnett, T. C., Physiology, Univ. of California Burns, Keiven, Astronomy, Allegheny Observatory Burr, G. O., Anatomy, University California Burrows, Montrose T., Exp. Surgery, Washington University Medical School Burton, Alfred E., Engineering, Mass. Inst. Tech. Burton, E. F. Physics, University of Toronto Butler, E. J., Mycology, Kew Garden, London Buwalda, John P., Geology, Univ. California Buxton, L. H., Anthropology, Oxford Univ., England
                                                                 B (Continued)

Bone, William A., Chemistry, Imperial College, London

Bonar, Lee, Botany, Univ. of California

Bondy, Hugo, Sociology, Prague

Borel, E., Mathematics, Paris

Borodin, D. N., Agriculture, Russia

Borodin, N., Ichthyology, Russia

Borchma, W., Zoology, Univ. of Lydan, Holland

Borsook, Henry, Biochemistry, Univ. of Toronto

Borza, D. Alexandre, Ecology and Taxonomy,

University of Cluj, Roumania

Bozart, L. W., Research Chemist, Proctor &

Gamble Company

Bott, E. A., Physiology, University of Toronto
Boucherot, Prof. Superior Electrical Sch., Paris
Bouin, Physiology, Strassburg

Bouvier, Zoology, Prof. Museum of Nat. Hist., Paris
Boving, Adam G., Entomology, U. S. Bureau Ent.
Bowen, I. S., Physics, Norman Bridge Lab.
Bowen, I. S., Physics, Norman Bridge Lab.
Bowen, Robert H., Zoology, Columbia University

Boyers, L. M., Pathology, Univ. of California

Bradley, H. C., Phys.-Chemistry, Univ. Wisconsin

Bragg, Sir W. H., Physics, Royal Inst. London

Bragg, W. L., Physics, Univ. Manchester, England

Bramwell, J. Creghton, Internal Medicine, University of Manchester

Brandegee, Townshend S., Botany, Univ. of Calif.

Bray, Archie W. Leslie, Physiology, St. Louis, Mo.

Bray, Archie W. Leslie, Physiology, St. Louis, Mo.

Bray, Wm. C., Chemistry, University of Calif.

Breasted, James H., Egyptology, Univ. of Chicago

Breitenbecher, Joseph, Zoology, Univ. of Chicago

B
                                                                                                                                                                                                                                   B (Continued)
             934
  10011*
         1381
1028
         1383
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Caldwell, George T., Biology, Univ. of Arizona Calkins, Gary N., Zoology, Valpariso, Ind. Callander, C. Latimer, Surgery, Univ. of Calif. Calvert, Philip P., Zoology, University of Pa. Campbell, D. H., Botany, Stanford University Campbell, W. W., Astronomy, Univ. of California Canis, Otto P. M., Botany, N. J. College Cannan, R. Keith, Biochemistry, Univ. College, Lon. Cannon, Annie Jump, Astronomy, Harvard Obs. Carothers, E. E., Zoology, Univ. of Penna. Carr, H. Wildon, Philosophy, Kings Coll, England Carrel, Alexis, Exp. Surgery, Rockefeller Inst. Carroll, Burt H., Chemist, U. S. Bureau of Stand. Carroll, Mitchell, Entomology-Cytology, Franklin & Marshall College Catter. T. D., Mammalogy, Amer. Mus. Nat. Hist. Carver, G. L., Genetics, Mercer Univ., Macon, Ga. Case, E. C., Geology, University of Michigan Case, Muriel A., Biology, Mt. Desert Isle Casteel, D. B., Zoology, Univ. Station, Austin Castle, Hempstead, Botany, Yale University Cattell, Jack, Entomology, Amer. Men of Science Cattell, Jack, Entomology, Cornell University Cecil, Russell L., Cornell Univ. Medical College Chambers, Robert, Anatomy, Cornell Med. School Chambers, William H., Physiology, Cornell University Medical School Chambers, William H., Physiology, Cornell University Medical School Chandler, Asa C., Zoology, Iniv. of California Chander, Ralph W., Geology, Iowa City, Iowa Chapin, James P., Ornithology, Am. Mus. Nat. Hist. Chapin, W. H., Chemistry, Oberlin College Chapman, Chas. H., Mathematics, Portland, Oregon Charlton, H. H., Anatomy, University of Missouri Chapman, Chas. H., Mathematics, Portland, Oregon Charlton, H. H., Anatomy, University, Feking, China
         1453
10010*
10048*
10012*
      6054
130
751
             762
667
  10008*
1125
10015*
         1404
122
6055
1135
         1490
996
788
875
                                                                                                    feller Inst.
                                                                               Brooks, Allan, Artist, University of California
Brooks, Mrs. M. M., Botany, Hygenic Laboratory
Brooks, Sumner C., Physiology, U. S. Public Health
                                                                                 Brown, Alice, Anatomy, Cornell Medical School
Brown, Barnum, Paleontology, Am. Museum of
Natural History
           1210
                                                                             Natural History
Brown Edgar D., Pharmacology, Univ. Minn.
Brown, E. W., Astronomy, Yale University
Brown, S. Leroy, Physics, Univ. of Texas
Brown, Wade H., Bacteriology, Rockefeller Inst.
Brown, Wm. H., Botany, Bureau of Science, Manila
Browne, C. A., Chemistry, U. S. Dept. Agric.
Browne, Wm. W., Bacteriology, College of City
of New York
Bruce, Sir David, Medicine, English Army
Brunquise, E. H., Physiology, Univ. of Colorado
Medical School
Brush, Chas. F., Physics. Cleveland
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   China
Chidester, F. E., Zoology, Univ. of W. Va.
Child, C. M., Zoology, Univ. of Chicago
Chin, Yan Tsz, Chemistry, Lingnan University,
Canton, China
Chittenden, Fred
Chodat, Robert, Botany, University de Geneve,
Sputisses
           1094
           1034
1305
2051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Swuisse.
Chouke, Kehar Singh, Anatomy, Washington University Medical School
Chown, Bruce, Medical Doctor, Univ. of Manitoba
Chrysler, M. A., Botany, Univ. of Maine
Chubb, S. H., Osteology, Am. Mus. Nat. Hist.
Ciocaltau, Vintila, Biochemistry, Bucharest Medical School
           927
1169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     626
                                                                               Medical School
Brush, Chas. F., Physics, Cleveland
Bryan, A. B., Physics, Rice Inst.
Bryant, Harold C., Ornithology, Calif. Mus. Zool.
Bryant, R. C., Forestry, Yale School of Forestry
Bucholz, J. T., Botany, Univ. of Arkansas
Buckley, Albert C., Neuro-Psychiatry, Friends
Hospital, Philadelphia
Budington, R. A., Zoology, Oberlin College
Buell, Mary V., Chemistry, Johns Hopkins Med.
Buhld, Charlotte, Sex Psychology, Vienna
Bulatao, E., Physiology, Univ. of the Philippines
Bumpus, Herman C., Biology, Brown University
Burd, J. S., Plant Nutrition, Univ. California
Burgess, G. K., Metallurgy, U. S. Bureau Standards
             1106
200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ciocaltau, Vintila, Biochemistry, and cal School Clapp, C. M., Zoology, Mount Holyoke Coll. Clark, B. L., Paleontology, Univ. of California Clark, Eliot M., Anatomy, University of Georgia Clark, Guy W., Biochemistry, Univ. of California Clark, James L., Sculptor, Am. Mus. Nat. Hist. Clark, Wm. Mansfield, Hygienic Lab., U. S. P.H.S. Clausen. R. E., Genetics, Univ. of California Clayton, H. H., Meteorology, Canton, Mass. (To be continued)
             1203
1010
484
                      999
      1112
10047*
```

SCIENCE SERVICE

Photographic Department

21st and B Streets

Washington, D. C.

How to Use Key-Word Feature of News-Letter

In order to aid in catching the items that concern you and to facilitate clipping and filing, a key word in small capitals has been printed on the right of the line above 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 system.

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

Library of Congress Classification

The classification of the Library of Congress has come into common use in the libraries of the country owing to the publication of 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.

```
Philosophy.
В
\bar{B}F
         Psychology.
        Geography, voyages, travel.

Mathematical and astronomical geog-
ĞA
        raphy.
Physical geography.
Oceanology and oceanography.
Anthropogeography.
Anthropology. Somatology. Ethnology. Ethnography. Prehistoric archæology.
Folklore
GB
GC
GR
        Folklore.
GT
         Manners and customs.
         Sports and amusements. Games. Economic history and condi-
                                                conditions.
         National production.

Transportation and communication.
         Commerce.
         Sociology.
                           General.
         Education.
\overline{\mathbf{M}}
         Music.
         Fine Arts.
         Philology and linguistics.
Science. General.
         Mathematics.
         Astronomy.
        Physics.
         Chemistry.
        Geology.
Natural history.
         Botany.
         Zoology.
        Human anatomy.
Physiology.
         Bacteriology
         Medicine. General.
         Agriculture. General.
         Field crops.
                                Horticulture.
            scape gardening. Pests and plant
            diseases.
SD
         Forestry.
        Animal culture. Veterinary medicine. Fish culture and fisheries.
```

```
Hunting. Game protection.
Technology. General.
Engineering—General.
Hydraulic engineering.
ΤĎ
         Sanitary and municipal engineering.
ŤĚ
         Roads and pavements.
ŤF
         Railroads.
TG
         Bridges and roofs.
TH
         Building construction.
Mechanical engineering.
         Electrical engineering and industries.
Motor vehicles. Cycles. Aeronautics.
Mineral industries. Mining and Me-
TK
         tallurgy.
Chemical technology.
         Photography.
          Manufactures.
         Trade.
TX
         Domestic science.
         Military science. General.
Naval science. General.
```

Dewey Classification

The main divisions of the Dewey Decimal Classification, used in many libraries and by many individuals, is given below for the convenience of those who wish to use this system:
000 GENERAL WORKS—

Bibliography

```
Library economy
General cyclopedias
020
         General collected essays
040
         General periodicals
050
060
         General societies
070
         Newspapers
080
         Special libraries. Polygraphy
      Book rarities
PHILOSOPHY-
090
100
110
         Metaphysics
         Special metaphysical topics
120
130
         Mind and body
         Philosophical systems
Mental faculties. Psychology
140
150
160
         Logic
         Ethics
170
         Ancient philosophers
180
      Modern philosophers
RELIGION—
190
200
         Natural theology
210
         Bible
220
         Doctrinal. Dogmatics.
Devotional. Practical
Homiletic. Pastoral.
Church. Institutions.
                                        Theology
230
240
```

```
Religious history
270
       Christian churches and sects
                 Non-Christian
       Ethnic.
     sociology-
       Statistics
310
       Political science
320
       Political economy
330
       Law
340
350
       Administration
                      Institutions
360
       Associations.
       Education
370
                     Communication
380
       Commerce.
     Customs. Costumes. Folklore
PHILOLOGY—
390
400
410
       Comparative
       English
420
```

Parochial Work

250

260

```
German
430
440
       Italian
460
        Spanish
470
       Latin
       Greek
480
     Minor languages
NATURAL SCIENCE—
490
500
510
       Mathematics
```

Chemistry 550 Geology Paleontology 560

570 Biology 580 Botany Zoology USEFUL ARTS 590 600 610 Medicine

620 Engineering 630 Agriculture Domestic economy 640 Commerce Communication. 650 Chemical technology 660

670 Manufactures 680 Mechanic trades Building FINE ARTS-690 700

Landscape gardening Architecture 710 720 730 Sculpture

Drawing. Decoration. Design 740 750 Painting

760 Engraving 770 Photography 780 Music Amusements
LITERATURE— 790 800 810 American 820 English

830 German 840 French 850 Italian 860 Spanish 870 Latin 880 Greek

890 Minor languages IISTORY-910 Geography and travels Biography 920

930 Ancient history Modern 940 Europe 950 Asia 960 Africa North America 970 980 South America

Oceanica and polar regions

ABOUT

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