

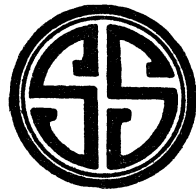
# SCIENCE NEWS-LETTER

The Weekly Summary of Current Science

Volume XII

Numbers 325 to 351

July to December 1927



Published by

SCIENCE SERVICE

The Institution for the Popularization of Science

21st and B Sts.,

WASHINGTON, D. C.

(Note—These six center pages of this issue comprise title page and index of Volume XII, which is completed with this issue. These pages should be pulled out and placed at the beginning of Volume XII when bound.)

Abbe, Ernst	13	Arrhenius, Svante	283	Bore Hole, 40 Mile	417	Chiggers, Preventives and Cures	129
Aberration Equations	141	Art for Adults	249	Boughers, Henry E.	137	Childhood, Inner World of	157
Abilities of Man, The	45	Art Treasures of America	153	Bow, New Type of Violin	25	Children, Health of	161
Across Arctic America	77	Arthur, John M.	53, 175, 219	Bowen, I. S.	307	Children Menaced by CO	229
Adams, Roger	281	Artillery, Anti-aircraft	241	Bowie, William	141	Children, Mental Disease in	107
Adults, Art for	249	Artillery Ammunition, Stone	249	Bradshaw, Hamilton	163	Children's Work at Brooklyn Botanic Garden	103
Adults Learn Better	137	Ashanti and Beyond, in	335	Brahe, Tycho	111	Children, Physical Types in	5
Advancement of Science, The	207	Ashman, Richard	173, 205	Brain of Lenin Shows Genius	407	Children, Saving Sight of	265
Adventures in Reading	271	Asphalt, Fossils in	123	Brain May Be Perfect in Future	59	Children, Successes Have Most	247
Africa, Stone Age Skulls in	315	Athletics, Heart and	45	Brains	101	Children's Emotions Foretell Diseases	13
African Yellow Fever, Investigate	297	Atmosphere, Composition of	201	Branch, K. U. K.	303	Child, Charles M.	261
Agassiz, Alexander	377	Atomic Hydrogen Decolorizes	259	Breasted, James H.	323	Child's Appetite, Cultivating the	399
Agriculture, 1926 Yearbook of	29	Atomic Theory	141	Brewster, Edwin Tenny	253	Child's Confidence Needed	295
Aguirre, Porfirio	71, 221	Atoms of Hydrogen Last	25	Brewster, K. G.	253	China in Turmoil	125
Ahrens, Theodor	359	"Atoms" of Light Divided	262	Brief Biology	29	Chinese Earthquakes	95
Aigrette Exterminator	195	Atoms, Stars and	29	British Association Adv. Sci.	165	Christie, J. R.	371
Air Changes Cause Static	355	Auerbach, Felix	13	British Birth Rate Falls	295	Christmas Trees	409
Aircraft, New Defenses Against	241	Antarctica, Mystery Land, to be Explored	145	British Coal Dilemma	303	City Manager, The	399
Air Lines to Span Nation	13	Auto Crankshafts Honed	195	Brodrick, R. G.	317	Claparede, E.	263
Airplane Contest, Model	47	Automobile Cancer Cause?	121	Bronner, A. F., and others	141	Clark, Dorothea	36
Airplane Crossing of English Channel	47	Automobiles, Anti-Freeze Mixtures	277	Brooklyn Botanic Garden	103	Clark, W. Mansfield	125
Airplane Exploration of Antarctica	145	Aveling, Francis	319	Brown, O. F.	165	Clarke, Beverly L.	335
Airplane War on Forest Insects	221	Aviation and Architecture	71	Brown, R. N. Rudmose	165	Classics of Modern Science	45
Airplanes and Monkeys Rivals	359	Aviation Interest Increases	27	Brundage, Milton B.	77	Classics of Science, 201, 217, 235, 255, 269, 283, 315, 331, 367, 395,	405
Airplane, Are You Fit to Drive	113	Avram, Mois H.	77	Bruner, W. E.	271	Clay-Modelling in Genesis	253
Airplanes, Excess Power for safe	37	Ayres, C. E.	317	Buckley, H.	399	Clay Roads	164
Airplanes, Model	63, 83, 117, 133, 149, 237, 223, 251, 267, 299, 313, 327, 285	Azizia	111	Bunker, H. A.	5	Clay Tells of Ice Age	75
Airplanes, More Power for	149	Aztec Calendar Found	301	Burbanck, Luther	109	Cleanliness Journal, The	157
Airports and Airways	77	Aztec Dictionary Compiled	221	Burden, W. Douglas	365	Clemens, Rudolf A.	399
Airports, Floating	49	Aztecs had Bacchus	355	Burgess, Thornton W.	335	Cleland, Logan	239
Airship, To Build \$4,500,000	81	Aztec "Jade" Source	139	Burials of the Algonquian and Other Tribes	61	Cliff Dwellers of Kenya	335
Air Speed Limited	63	Babies, Heat Deaths among	91	Burlingame, Frances M.	381	Climate of Mesopotamia, Ancient	309
Alaska, Earthquake in	275	Baby's Method of Moving	403	Burns from Cathode Rays	403	Cline, Isaac M.	421
Albert, Henry	265	Baby's Personality Not Set	55	Burnside, Lenoir H.	403	Clonorchis Sinensis	125
Aldrich, Charles Anderson	399	Bacchus of Aztecs	355	Burrow, Trigant	141	Clothes, First, Flychasers	311
Alchemist Tests Fail	47	Bacon, Francis	285	Burt, Frederick A.	141	Clusters	99
Alcohol Effects on Human System	295	Bacon, T. S.	315	Bush-Brown, Louise	335	Coal Dilemma, British	303
Algol	358	Bacteria, "Hard Boiled"	79	Butter Substitute, Vitamins for	301	Coast & Geodetic Survey Work	305
Algonquian and Other Burials	61	Baffin Land, David Goes to	335	Butterflies, Watching Life of	52	Coated Fabrics	163
Alkali Flats Made by Wind	219	Bagworm	309	Byrd's Hops Will Explore Mystery Land	145	Coatsworth, Elizabeth	423
Alleghany State Park	173	Bailey, Liberty Hyde	403	Cabbage, Disease-Proof	281	Cobb, N. A.	371
Allen, E. T.	319	Bailey, Vernon	360	Cable, Landing of Atlantic	63	Cockroaches for Research Work	253
Allen, Harry	4	Baker, Frank C.	261	Cable Works as Push Button	25	Codling Moth and Climate	141
Altruism	31	Baldwin, Bird T.	39	Calculus of Variations	381	Cod-liver Vitamins	93
Aluminum Bronze Powder and Aluminum Paint	287	Baldwin, S. Prentiss	360	Calendar, Find Aztec	301	Cold Increases Immunity to Cold Made Plant Evolution	153
Aluminum Useful in Cancer	371	Baly, E. C. C.	379	Calendar, Urge Moses'	5	Cold Preventive, Soda as	297
Alverdes, Friedrich	239	Banana, The	399	Calver, W. L.	354	Cole, L. J.	219
America, Ancient Man in	333	Bananas Abundant	175	Camping Explorations	35	Coleman, George E.	79
America, Early Man in	215	Barger, George	147	Canada's "North Country"	147	Collins, Joseph	381
American Assoc. Adv. Science	419	Barnard, E. E.	159	Cancer, Automobile Cause?	121	Color Test for Toxins	215
Nashville Meeting	419	Barrett, W. H.	335	Cancer Combated with Aluminum and Calcium Salts	371	Columbus Theory, Proving	225
American Chemical Society	163	Barro Colorado Island	359	Cancer Control	141	CO Menaces Children	229
American Forests and Forest Model	203	Basch, Goldie	295	Candle Days	365	Comet, New, Visible	385
American Geophysical Union, Transactions	319	Battery, Volta	395	"Capture" theory	358	Comet Found by Australian	375
American Library Association	31	Battley, J. C. Sinclair	239	Carbon Dioxide, Preparation of	405	Comet Had Small Nucleus	291
American Medicine & People's Health	319	Bauer, Louis H.	63	Carbohydrates, Synthesis of	379	Commerce Yearbook, 1926	221
American Public Health Assn. Meeting	265	Bazzoni, C. B.	13	Carbon Monoxide	164	Compass, Inductor, Aviators' Guide	37
American Men of Science	399	Beals, E. A.	71	Carbon Monoxide Menaces Children	229	Complete Press Photographer	365
American Museum School Service	399	Bean Culture; Rural Science Series	335	Cardinal, A. W.	335	Comptes Rendus de la Septieme Conference Internationale de la Chimie	253
American Ornithological Union	359	Bean, R. Bennet	42	Careers, An Outline of	77	Compton, Arthur H.	387-388
American Sign Language	97, 98	Bean, R. Bennett	419	Carpenter, Niles	77, 125	Comrie, L. J.	8, 358
America's Art Treasures	153	Beaver and Muskrat	373	Carver, Thomas Nixon	335	Conde, Jesus	356
Ammunition, Stone Artillery	249	Becker, L. A.	195	Castle of Crusaders Excavated	215	Concerts of Katydid's Timed	425
Analytic Functions of a Complex Variable	381	Becker, May Lambertson	271	Catalase in Codling Moth	141	Confidence of Child Needed	295
Ancient Cities and Modern Tribes	109	Beelzebub, Children of	155	Caterpillar Hairs Poisonous	129	Cook, Harold J.	215
Anderson, John A.	289, 291	Bee Stings, Remedies for	129	Catchings, Waddill	61	Coolidge Cathode Ray Tube	279
Anderson, R. J.	233	Beetle, Japanese	275	Cathode Rays Make Burns	403	Coordinating Council on Nature Activities	103
Andervont, Howard R.	371	Being Well-Born	173	Cathode Rays Make Nitrogen Glow	379	Copper Improves Muck Land	123
Anet, Claude	141	Bell, Bell R.	365	Cats Live in Gray World	139	Coronium Discovered	79
Animals Bored by Movies	249	Bell May Warn of Quake	323	Cat-tails	303	Corn, Beetle Dangerous to	195
Animals, Cells Build into	261	Bennett, Arthur L.	15	Cattell, J. McKeen	281, 297	Corn Borer Campaign a Success	247
Animal Kingdom, Grand Divisions of	331	Bent, Arthur Cleveland	141	Cattell, J. McKeen and Jaques	399	Corona, First Photograph of Sun's	63
Animals, All About	239	Berkowski, Herman	25	Cecropia Moths	87	Corridors of Time, The, Vols. I, II, III	415
Animals, Seashore, of Pacific Products	399	Berman, Louis	109	Cells Build into Animals	261	Cotsworth, Moses B.	5
Animal World Has Mutts and Jeffs	33	Bernard, Claude	125	Cellulose Photo Films	31	Cottrell, F. G.	69
Animal World, Social Life in	239	Bernard, Edward W.	329	Century Dictionary, The New	253	Couch, James F.	1, 403
Anniversaries of Science, 15, 29, 47, 63, 79, 95, 159, 143,	329	Berneys, Edward L.	77	Cerda, De La	139	Coulter, John M.	275
Anathema	329	Besredka, A.	141	Chapman, Frank	359	Cowbirds Borrow Nests	359
Ant, Life of the White	253	Bevan, Edwyn	399	Chase, Stuart	77	Cowles, H. C.	261
Antarctica	165	Biggs, H. F.	399	Chaulmoogric Acids, Synthetic	281	Crab, Emotions of a	263
Antitoxin for Erysipelas	303	Bills, Charles E.	93	Cheating by College Girls	219	Craig, Gerald S.	365
Ants, Honey-Cask	157	Bird Refuge on Heligoland	219	Cheeseman, R. E.	109	Crankshafts Honed, Auto	195
Anthropoid Origin of Man	165	Birds of the Americas and Adjacent Islands	45	Chemical Conference, 7th International	253	Crawford, O. G. S.	43
Anti-Freeze Mixtures	277	Birds of the Ice	88	Chemicals Conquer Poison Ivy	1	Creamer, Walter Joseph	319
Antoniadi, E. M.	217	Birds, Practical Value of	125	Chemicals, Standards and Tests for Reagent and C. P.	221	Crete, Statistics of	287
Apartments Built by Birds	360	Birkhaug, K. E.	303	Chemistry and Recent Progress in Medicine	303	Cro-Magnons, Indians from	419
Ape Relic in Toe	115	Birth Rate Falls, British	295	Chemistry, Elementary Physical	61	Crusader's Castle Excavated	215
Apes and Men	415	Black, Henry	381	Chemistry, Experiment Sheets	77	Crusaders, Ruins show life	353
Applied Psychology	109	Bleaching by Hydrogen	259	Chemistry, General	45	Crops, Diversified, Relief for Pellagra	147
Archimedes	169	Bleriot, M.	47	Chemistry, General	61	Crops, Indian	67
Architecture and Aviation	71	Blight, of Corn and Wheat	281	Chemistry, Introductory	335	Crow, Fish	247
Arctic	165	Bliss, George S.	207	Chemistry, Laboratory Manual of General Inorganic	239	Cultivating the Child's Appetite	399
Arctic America, Across	77	Blood Clotting Prevented	309	Chemistry, Methods of Organic	303	Curiosities of Science	335
Armstrong, Edward R.	49	Blood Tests, Sweden Approves	55	Cheney, Volney S.	297	Curtis, Winterton C.	319
		Blumenthal, J. L.	91	Chicago University	27	Curtiss, David Raymond	381
		Bodine, Margaret L.	379			Cuvier, Baron	331
		Body, The Human	93, 239			Cypress Tree, Giant	197
		Body, The Human, and Its Care	253				
		Boldyreff, W. N.	55				
		Bolin, J. S.	205				
		Bones Buried with Dog	299				
		Books in Science, New	415				
		Borer, Corn, Campaign a Success	247				



Icarus in Science.....	15	Lavenner, Eugene.....	93	McNair, James B.....	2	Neanderthals Ancestors.....	309
Ice Age, Clay Tells of.....	75	Lavoisier, Antoine Laurent.....	201	Measles, Summer.....	127	Nebulium May Be Oxygen.....	307
Ice Age Man.....	165	Lawrence, Gordon.....	233	Measurements of Double Stars.....	381	Nelson, Willard B.....	77
Ice Cream, Tongue Test.....	121	Leach, G. C.....	25	Medical Progress, Social Factors in.....	77	Nema Handbook of Radio Standards.....	239
Illumination, History of.....	17	Leaky, L. S. B.....	315	Medical Science Wars on Heart Disease.....	257	Neon, Discovery of.....	47
Immigrants and Children.....	77, 125	Learned, William S.....	45	Medicine, Chemistry and Recent Progress in.....	303	New Methods in Geometrical Optics.....	365
Immigration, Mexican.....	297	Leather Shoes.....	141	Medicine, Evolution of Preventive.....	93	New Reformation.....	287
Imamura, Akitune.....	323	Leaves Are Uneven Workers.....	407	Medicine & People's Health, American.....	319	New Star in Milky Way.....	131
In Unknown Arabia.....	109	Leaves Reflect Light.....	261	Medieval London.....	381	Newman, H. H.....	207
Inbreeding, Studies Human.....	21	Lehman, Ira A.....	111	Medsgar, Oliver Perry.....	20	Newsholme, Sir Arthur.....	93
Incandescent Lamp, History of the.....	93	Leonard, Veader.....	325	Meek, Theophile James.....	303	Newspaper Club, The.....	399
Income and Standard of Living of Unskilled Laborers in Chicago.....	335	Leonard, William Ellery.....	365	Meek, Theophile J.....	253	Newton, Isaac.....	315
Incubator, Egyptian.....	69	Leuschner, Armin O.....	385	Mees, C. E. K.....	422	Next Age of Man.....	109
Indian Mound Builders, Secrets of.....	32	LeVene, Clara M.....	287	Mellanby, Edward.....	155	Nicholson, Seth B.....	157
Indian Mound Hides Graves.....	75	Lewis, G. N.....	367	Mellen, Ida M.....	125	Newland, J. A.....	164
Indian Tooth Shell Money.....	281	Lewis, Kenneth M.....	303	Mena, Ramon.....	139	Nobel Prize-Winner Tells of Discoveries.....	387
Indian "Queens" Worked, Why.....	313	Lewis, Margaret R.....	371	Meister, Louis G.....	37	Nobel, G. K.....	143
Indians from Cro-Magnons.....	419	Lewis, Samuel J.....	111	Mellanby, Edward.....	155	Noel, John.....	253
Indians Grew, Grow Plants the.....	67	Lhasa.....	139	Mellon, Ida M.....	125	Noguchi, Hideyo.....	297
Inductor Compa s s Aviators' Guide.....	37	Lhasa, My Journey to.....	125	Mendel, Martin.....	77	Noguera, Edouardo.....	117, 356
Industrial Transition in Japan.....	239	Licorice.....	104	Mendel, Victor.....	249	Noorden, Karl von.....	287
Industrial Research Laboratories of U. S.....	319	Life of the White Ant.....	253	Mencken, H. L.....	26	Nordic Power is Chemical.....	291
Industry's Coming of Age.....	319	Life-Saving Surveyors.....	305	Mendel a Darwinian.....	143	Norfolk Island Inhabitants.....	21
Infantile Paralysis.....	121	Life Extension Valuable.....	123	Mental Disease in Children.....	107	North America.....	271
Inge, The Very Rev. W. R.....	381	Light Speeds Factory Work.....	275	Mental Energy, Directing.....	319	"Northerners".....	373
Inorganic Chemistry, Laboratory Manual of General.....	239	Light, Divides "Atoms" of.....	262	Mental Hygiene.....	221	Norway, Eclipse Cloudy in.....	8
Insect Thorax, Morphology of.....	125	Light, Most Brilliant, from Wire Explosions.....	289	Mercury Crosses Sun.....	293	Nova in Milky Way.....	131
Insect Stings, Remedies for.....	129	Light, White, Composed of Colors.....	315	Mercury Has 2112-Hour Day.....	217	November Star Story.....	293
Insect Thorax, Morphology and Mechanism of the.....	93	Lighting, History of.....	17	Merriam, H. G.....	381	Noxious Gases.....	239
Insect Allies.....	233	Lights for Traffic.....	105	Merrill, Paul W.....	173	Noyes, Arthur P.....	381
Invention, The Field for.....	383	Light's Speed Decreasing?.....	211	Mesopotamia Had Cooler Climate.....	309	Numbers, Route.....	106
Inventions and Patents.....	29, 365	Lindbergh Model Airplane.....	363	Metal Fits, Comparison of.....	141	Oatmeal Defended as an Article of Diet.....	155
Inventions for Automobiles.....	163	Lipman, Jacob G.....	11	Metcalf, K. M.....	201	Occultation by Jupiter.....	358
Ions, Theory of.....	283	Lister, Baron Joseph.....	287	Meteorite, Search for Lost.....	39	Ocean Depths to be Explored.....	369
Ivy, Poison, Conquered by Chemicals.....	1	Little, Mary.....	277	Meteors Visit Earth.....	293	October Star Story.....	199
Jackson, Chevalier.....	121	Living Machinery.....	303	Methanol from Wood, More.....	315	Oil Overproduction.....	137
Jacobson, Victor C.....	403	Lizards in Paraffin.....	143	Methods of Organic Chemistry.....	303	Oo-Keh Khaw.....	125
Jade, Aztec Source.....	141	Lobeck, A. K.....	173	Methods of Reasoning.....	173	Oppenheimer, Francis J.....	45
Jadeite, Aztec.....	139	Local Immunization.....	141	Mexican Exodus.....	297	Optics, Studies in.....	61
Jaeckel, M. E.....	143	Lockyer, Sir Norman.....	111	Mexico's Giant Tree.....	197	Optics, X-Rays as Branch of.....	387
Japan, Industrial Transition in.....	239	Locomotive, Trial Run of First Commercial.....	79	Michaelis, Leonor.....	287	Organic Chemistry, Intro.....	141
Japan, as earthquake center.....	121	Locomotive God.....	365	Michelson, T. H.....	287	Ornithological Union, American.....	359
Japan, Outline History of.....	399	Locusts, Prizes for Honey.....	195	Michelson, A. A.....	61	Orton, William Allen.....	175, 307
Japanese Beetle Dangerous to Corn.....	195	Longlegs The Heron.....	335	Microphones in Vaults.....	43	Other Worlds.....	381
Japanese Beetle.....	275	Long-Range Weather Forecasts.....	131	Milbank Memorial Fund.....	162	Outline History of Japan.....	599
Jennings, H. S.....	157, 169	Loomis, Alfred L.....	99, 325	Milk Called American Beverage.....	265	Outline of History.....	599
Jennings, O. E.....	125	Love, First, Semi-Serious.....	264	Milk Sickness Poison.....	403	Ometochtli.....	355
Jesuit Seismological Assn.....	275, 355	Lubin, Isador.....	303	Miller, Dayton Clarence.....	21	Oxygen Discovered by Priestley.....	63
Jewels of the Darkness.....	52	Lubricating Greases.....	287	Miller, Hugh.....	235	Oysters and Typhoid.....	171
Jimson Weed.....	265	Luminol-Sodium for Epilepsy.....	295	Milligan, Lowell H.....	164	Pacific Coast Seashore Animals.....	207
Johnson, G. H.....	173	Lundquist, Gustav A.....	335	Millikan, R. A.....	157	Pacific, Quake in.....	317
Johnson, Myrtle E.....	207	Lure of the Great Smokies, The Lynch, Arthur.....	109	Mills, Dr. William C.....	321	Pacific Weather Favorable.....	27
Jones, L. R.....	281	MacCurdy, George Grant.....	325	Mind, The Kingdom of the Minnig, Arnold.....	393	Pack, Arthur Newton.....	415
Jones, Ernest L.....	13	Macelwane, J. B.....	273, 355	Mirror, Find Prehistoric.....	71	Packing Industry, By-Products in.....	399
Jordan, David Starr.....	31, 233, 365	Machinery, Living.....	303	Mishulov, Lucy.....	215	Palestine, Crusaders' Life Shown.....	353
Judd, Charles.....	55	MacMillan, Donald B.....	399	Mississippi Floods Can Be Higher.....	421	Palmer, E. Laurence.....	415
Judgment, The Last.....	335	Madamud Excavations Yield War God Temple.....	249	Mitchell, S. A.....	8	Palmer, Theodore Sherman.....	195
Jullian, M. Camille.....	43	Madison, Harold.....	3	Moccasin Decorations.....	77	Paneth, Fritz.....	77
Jupiter, Discovery of Satellite of.....	159	Maeterlinck, Maurice.....	253	Mohler, John R.....	69	Paraffin, Animals Preserved in.....	143
Jupiter Moon Pulled by Sun.....	157	Magic in Roman Life.....	93	Mohley's Worth, Your.....	77	Paralysis treatment by Malaria.....	393
Kahn, R. L.....	319	Magician of Science, A.....	335	Monkeys, Worse than.....	137	Paralysis, Infantile.....	121
Kamm, Oliver.....	259	Magellan.....	175	Montfort.....	354	Parasitic Allies.....	233
Kansu Earthquakes.....	95	Magnet, Do You Know About?.....	127	Moon, Mountains of the.....	269	Park, Wm. A.....	171
Kaplan, Joseph.....	25	Magnetism, Terrestrial Variation.....	111	Moon of Jupiter Pulled by Sun.....	157	Parkhurst, John Adelbert.....	399
Katydid Concerts Timed.....	425	Magnets, How to Tell.....	143	Moons of Jupiter.....	357	Parr, S. W.....	275
Katz, S. H.....	164	Magoffin, R. V. D.....	93, 153, 169, 271	Moore, Harry H.....	319	Parsons, F. G.....	165
Kauf, Emil.....	45	Malaria Treatment for Paralysis.....	393	Moose.....	287	Patents, Inventions and Paternity, Blood Tests to Settle Questions of.....	29
Keith, Sir Arthur.....	165	Maley, Carleen.....	87	Moriarty, Margaret E.....	201	Peake, Harold.....	55
Kellogg, Remington.....	127	Malinowski, Bronislaw.....	319	Mortality Statistics.....	157	Pearl, Raymond.....	159
Kendall, James.....	61	Man and Woman.....	207	Morton, Dudley J.....	115	Peasants and Potters.....	415
Keppel, Frederick Paul.....	249	Man, Early History of.....	125, 207	Morphology and Mechanism of Insect Thorax.....	93	Pease, Francis G.....	65
Kernels of the Universe.....	13	Man Eats Little of Total Plant Production.....	219	Moses' Calendar Urged.....	5	Pellagra Epidemic Threatens.....	147
Kessell, M. H.....	29	Man in America, Early.....	215, 333	Moss, S. A.....	149	Penguins.....	88
Kessler, D. W.....	319	Man, in Pleistocene.....	165	Mosquito Stings, Remedies for.....	129	Perfume, Germs Succumb to.....	205
Keyes, D. B.....	163	Man, Nature of the World and of.....	207	Mosquito Fish in Italy.....	255	Perfume, Mystery and Lure of.....	125
Kilauea Eruption Just Beginning.....	39	Man, Neanderthal, an Ancestor.....	309	Moths, Catching.....	52	Perkin, Sir William Henry.....	31
King, Louis Magrath.....	125	Man, The Abilities of.....	45	Moths, Raising Cecropia.....	87	Perseid Meteors.....	95
Kingdom of the Mind, The.....	415	Manual of Radioactivity.....	77	Mougey, H. C.....	163	Personality of Young Children.....	55
Kirk, Raymond E.....	239	Manual of Tests.....	141	Moulton, F. R.....	358	Petroglyph, Largest.....	207
Klemgard, E. N.....	287	Marble, Maintenance of Interior.....	319	Mound Builders, Secrets of the.....	321	Petroleum, Secret of Synthetic.....	227
Knickerbocker, William S.....	45	Marine Hospital Service authorized.....	31	Mound, Indian, Hides Graves.....	75	Pharaohs, History of.....	125
Knowledge, Humanizing of.....	125	Mars' Canals.....	99	Mouth Tells More Than Eyes.....	205	Pharmacists' Jubilee.....	175
Kofoid, Charles Atwood.....	131	Marsh Birds.....	141	Movies Bore Animals.....	249	Phi Beta Kappa Girls Marry.....	205
Kronk, G. H. Monrad.....	11	Marvin, Charles F.....	5	Movies, Impure Gelatin in.....	422	Phosphoric Acids, Phosphates.....	141
Kruhwiede, Charles.....	215	Massam, J. A.....	335	Muffins, Fingerprints of.....	277	Photo Films, Cellulose.....	31
Krypton, Discovery of.....	47	Mason, R. L.....	109	Muller, H. J.....	91, 249	Photographic Plates, Faster.....	73
Labor Statistics Handbook.....	173	Mathematical Statistics.....	381	Muller Hermann Joseph.....	251	Photography.....	109
Laboratory Course in General Zoology.....	221	Mathematics, The Story of.....	29	Mummy Autopsies, 30,000.....	71	Photometry, Photographic, for 1550 Stars.....	399
Lactation, Vitamin B in.....	215	Matheson, C.....	271	Munns, E. N.....	171	Physical Types and Disease.....	5
de Laguna, Grace Andrus.....	109	Mathews, Albert P.....	221	Murder, The Psychology of.....	61	Physics.....	29
Lamp, Evolution of the.....	23	Mathew, W. D.....	137	"Murphy's Winter".....	131	Physics and Physiology.....	367
Landon, C. R.....	206	Matter, Gravitation and Light, Nature of.....	221	Murray, B. L.....	221	Physics, Short History of.....	399
Larrett, Denham.....	29	Maximov, N. A. and T. A. K.....	407	Muskrat.....	373	Physiography, Brief.....	77
Larimer, W. H.....	247	Maya Pyramid, New.....	115	Musser, J. H.....	127	Physiology, Human.....	166
LaRue, Daniel Wolford.....	221	Maya Writings Sought.....	109	Nagy, Oscar.....	25	Pieron, Henri.....	263
Lassell.....	175	McClennan, J. C.....	379	National Academy Discusses Plants, Stars, Evolution.....	261	Pike, Pickerel and Muskalonge.....	125
Laury, N. A.....	271	McCracken, Anna.....	61	National Electrical Mfgs. Assoc.....	239	Plains Tribes, Distribution of Moccasin Decorations Among.....	77
		McCutcheon, Thomas P.....	45	Nature Almanac, The.....	415	Plant Production, Man Eats Little of Total.....	219
		McDougall, W. B.....	239	Nature of the World and of Man.....	207	Plant Ecology.....	239
		McMillan, Frank E.....	71				

Plant Evolution Due to Cold 153
Plant Growth Speeded 53
Planting Your Own Trees 51
Plants the Indians Grew 67
Platyplus, The 155
Pleistocene Man 165
Poffenberger, A. T. 109
Poisons, Cold Increases Immunity to 219
Poison Ivy Conquered by Chemicals 1
Poisons May Check Beetle 275
Pollak Prize Essays 157
Pompeii Yields New Statue 271
Pope, Philip H. 79
Populations Grow Alike, All 159
Porpoise, Fossil 127
Porter, C. W. 303
Pottery Making, Beginning of 77
Potts, John 253
Poultry Congress Articles 69
Power for Planes, More 149
Power, Nordic, is Chemical 291
Power, Excess, for Safe Planes 37
Power from 40 Mile Holes 417
Powers, W. L. 219
Prairie Dogs 4
Prairies Become Forests 261
Pratt, Henry Sherring 221
Prediction of Floods, Methods of 421
Presbyota 281
Preventive Medicine, Evolution of 93
Priestley Discovered Oxygen 63
Priestley, Joseph 405
Primitive Hearths in the Pyrenees 157
Primitive Man as Philosopher 335
Prince, Walter Franklin 13
Princeton Univ. Geology Train Tour 147
Princeton University School on Wheels 159
Prisoners. Survey of 1916 77
Proctor, Mary 399
Prohibition Investigated 71
Prominence, Solar, Studied 111
Psychiatry, A Textbook of 381
Psychiatry, Essentials of 45
Psychoanalysis and Freud 21
Psychologists, Fake 11
Psychology Booming 297
Psychology of Murder, The 61
Pumpkin 333
Pupin, Michael I. 287
Pure Chemistry, Value of 163
Putnam, David Binney 335
Pyorrhoea Danger in Toothbrushes 215
Pyramid Building 171
Pyrenees, Primitive Hearths in the 157
Pyroxylin Fabrics 163
Quaintance, A. L. 195
Quakes, Two, in Seven Years 95
Quality of the Educational Quietude: A Prayer 317
Rabbit Disease, Tularemia 331
Races, To Study Ancient 75
Race Mixture 21, 205
Radiators, Anti-Freeze 277
Radioactivity, Manual of 77
Radin, Paul 335
Radio Communication, Law of 61
Radio in Sales Promotion 61
Radio-Communication 141
Radio Standards 239
Radio Makes Glass Glow Red 325
Radio Waves, Short 173
Radio Waves Like Light 173
Rail, Laying of First 15
Raindrops, Size of 101
Ramsay, Sir William 47
Rand, Gertrude 275
Rasmussen, Knud 77
Rats, Raises Drunken 295
Rawson, Marion Nicholl 365
Rayon Industry, The 77
Reading, Adventures in 271
Rebuilding the Child 381
Red Cross Roll Call 291
Reeds, Chester A. 39, 75
Reid, E. Emmet 259
Relatives Grade Alike 153
Religion Called Behaviorism, The 109
Religion and Science 381
Religion, Scientific 31
Reptiles of the World 141
Review of Year in Science 401
Reynolds, Philip Keep 399
Roberts, Jr., F. H. H. 299, 333
Robins Winter at Canyon 403
Robinson, David 379
Robinson, D. S. 173
Robinson, James Harvey 125
Rock Carving, Largest Indian 207
Rockefeller Foundation, The 45
Rockefeller Foundation Annual Report 335
Rockwell, F. F. 335
Rofle, F. W. 45
Rofle, R. T. 45
Roman Life, Magic in 93
Romance of the Fungus World 45
Romance of Reality, The 335
Romance of the Sun 399
Rookery, Breaking up the 139
"Rooster" Lays Eggs 219
Root Development of Vegetable Crops 271
Root, William T., Jr. 77
Rose, J. N. 397
Rosengarten, George D. 163
Rosenheim, O. 301
Rosenow, E. C. 121
Route Numbers 106
Roxburgh, Dr. A. C. 129
Royal Society Granted Charter 31
Royer, B. Franklin 265
Roy, Sharat K. 125
Richardson, Frank Howard 381
Richet, Charles 239
Rietz, Henry Lewis 381
Risher, Ervye L. 319
Rubber, Artificial 164
Rubber, Reclaimed 164
Rubber Plants, Seek 397
Rubber for United States 107
Rubber from Coal 373
Rubber Shoes for Horses 195
Ruins Show Life of Crusaders 353
Ruins May Bridge Gap 117
Running Records, New Times for 25
Russell, Bertrand 11
Russell, Paul J. 397
Sach, Arnold 71
Safety Lamp 367
Sandals 169
Sandstone, The Old Red 235
Sanger, Margaret 335
Santa Barbara Earthquake 273
Sarton, George 45, 155, 239
Sassafras 223
Savant, Natural History of a 239
Sawtell, Ruth Otis 157
Scarlet Fever Conquerors 259
Schlink, F. J. 77
Schneider, Edward C. 119
Schroeder, Henry 93
Schuchert, Charles 287
Schuster, O. J. 381
Scientific Societies 29
Scientific Religion 31
Science, New Books in 415
Science of the Last Century 53
Science, The History of 239
Science, Icarus in 15
Scientist, The 15
Science, The Advancement of 207
Science: Leading and Misleading 109
Science Advances of 1927 401
Science, Curiosities of 335
Science and Religion 381
Science, Classics of Modern 45
Science, Introduction to the History of 45
Science, Essence of 155
Scopes, John T. 11
Seadrome, Floating 49
Seagulls 365
Seashore Animals of the Pacific Coast 207
Seasickness, Fear and 55
Seibert, Florence B. 261
Seismological Society of America 355
Seismology, The Founders of 29
Selenium 77
Seltz, Harry 45
Semple, John B. 360
Sex Influenced by Parasites 371
Sex & Repression in Savage Society 319
Shapiro, Harry L. 21
Shull, A. Franklin 77
Shull, Charles A. 261
Shapley, Harlow 93
Shapley, Harlow 99
Sharp, Peter T. 4
Shaw, E. A. 11
Shaw, Ellen Eddy 103
Shearer, G. 221
Shear, S. W. 235
Sheep Are Black, Why 247
Shelford, Victor E. 481
Shell Money, Indian 281
Shetrone, Henry C. 321
Shie, Marvin D. 210
Shillinger, J. E. 425
Shollenberger, J. H. 211
Short Big Toe 115
Shortest Men in Tropics 415
Shrubs 339
Sinclair, Upton 319
Sight of Children, Saving 265
Size of Raindrops 101
Skin Registers Emotions 227
Skjellerup Comet 375, 385, 407
Slade, William Adams 295
Sleeping Sickness, Serum for 262
Slipher, V. M. 291
Slosson, Edwin E. 227, 271, 291
Slosson, Preston 15
Smile, The Social 11
Smith, Erwin F. 317
Smith, J. M. Powis 253
Smith, R. W. 239
Smithsonian Institution Act 95
Smithsonian Institution Report 253
Smoke, Prevented by Gas Use 275
Sneed, M. Cannon 239
Snodgrass, R. E. 93, 125
Snook, Harry J. 207
Snyder, Charles D. 107
Soap, Molecular "Tails" 281
Social Science Research Council 71
Social Basis of Consciousness 141
Social Life in Animal World 239
Social Smile 11
Social Factors in Medical Progress 77
Societies, Handbook of Scientific and Technical 29
Sociology, Principles of Rural 335
Soda Water, Preparation of First 405
Sodium Sulfate, Hydrochloric Acid and 271
Soda as Cold Preventive 297
Soil Mineralogy 141
Solar Prominence Studied 111
Solar System, Vacant Lots in 389
Somerville, William 157
Song of Songs, The 303
Sound, Speed, Lamp Tells 99
Sounds, Ears Distinguish Close 15
Souter, R. W. 157
Sparrow-Hawk 27
Sparrows 59
Spearman, C. 45
Spalding, H. B. 315
Speech: Its Function and Development 109
Speech, Origin of, Lost 333
Speed in Air Limited 63
Spider Bites, Serum for 129
Spider Catches Sparrow 360
Spiritism, Ectoplasm of 251
Spooner, C. S. 141
Spots on Stars 262
Spring: Naturalist Afield 125
Springs of Human Action 29
Spruce Budworm, Airplane War on 221
Squire, Lorene 20
Standards and Tests for Reagent and C. P. Chemicals 221
Stars, Spots on 262
Stars, Temperature of 173
Stars, The 93
Stars and Atoms 15, 29
Starfish and Sea Urchins 123
Starfish, Embryology of 377
Starvation for Epilepsy 201
Statue, Pompeii Yields New 271
Static, Caused by Air Changes 355
Steam Wells at "The Geysers" 319
Steambot Clermont, First Trip 79
Steinbock, Harry 155
Steinberg, S. C. 108
Steiner, G. 371
Stebbins, Joel 262
Stern, Wilhelm 263
Stern, Bernhard J. 77
Stewart, T. D. 303
Stieglitz, Julius 303
Stings, Insect 129
St. Louis Tornado Typical 237
Stone Age Skulls in Africa 315
Stone Artillery Ammunition 249
Storks Find Way South 359
Storms Grow in Travel 421
Story of Mathematics 29
Stout, A. B. 173
Street, Elwood 26
Students Grade Alike, Related 153
Studies in Optics 61
Stur, J. 155
Successes Have Most Children 247
Sugar for Hummingbirds 379
Sugars, Synthesis of 379
Sullivan, Henry S. 13
Sun Farthest Now 7
Sun, Romance of the 399
Sunstroke Oldest Disease 55
Superiority Human Goal 263
Sure, Barnett 215, 277
Sweden Approves Blood Tests 55
Swordfish and Tuna 381
Sydenstricker, Edgar 147
Symmers, Douglas 303
Synthesis of Sugars 379
Synthetic Petroleum, Secret of 227
Synthetic Thyroid Hormone 147
Syphilis, Serum Diagnosis of, by Precipitation 319
"Tails" of Soap Molecules 281
Talbot, F. B. 201
Taliaferro, William H. 262
Tantulus not Deadly 129
Tattoo Marks Yield to Chemical Treatment 209
Taylor, Hugh S. 61
Telepathy, Contribution to 125
Tell-El-Amarna, Excavations at 5
Telescopes, Big, Bring Skies Closer 65
Temperament Caused by Glands 95
Temple of War God Discovered 249
Templin, Olin 61
Terman, Lewis Madison 229
Testament, The Old 253
Tests, Manual of 141
Texas Red Wolf on Rampage 205
Textile Fabrics 173
Thienemann, A. 359
Thinking, A Guide to 61
This Smoking World 365
Thomas, Lowell 381
Thomasen, L. 47
Thomson, J. Arthur 335
Thomson, Mehran K. 29
Thompson, C. J. S. 125, 205
Thorndike, E. L. 137
Thornton, William M. 141
Thumb Sucking Dangerous 111
Thyroid Hormone, Synthetic 147
Thyroxin, Synthetic 147
Tiger in Mesopotamian Sculpture 309
Tilney, Frederick 59
Titanium 141
Todd, C. Wingate 101
Toe, Short Big 115
Tooth-Brush Peril 215
Tooth Shells, as Indian Money 281
Tondorf, Francis Anthony 147, 273
Tongue Test for Ice Cream 121
Tornado Typical, St. Louis 237
Tornadoes, Chumming with 229
Toxins, New Color Test for 215
Traffic 97, 98
Traffic Signals, Standardize 397
Transatlantic Air Routes 49
Transpiration, First Studies of 301
Transmutation Effort Fails 47
Travel by Air Lines 13
Treat, Dorothy A. 3
Treat, Ida 157
Trees from Big Seed 171
Trees from Seeds, Growing 51
Tree Grows, How a 157
Tree, Mexico's Giant 197
Trembles, Traces Cause of 403
Tropical Storms from U. S. 373
Troubles We Don't Talk About 335
Trumpler, Robert J. 99
Tuberculin Protein Nature 261
Tuberculosis Claims Married Victims 393
Tuberculosis Germ, Analyzes 233
Tuberculosis Tests for Poultry 69
Tugwell, Rexford Guy 319
Tularemia a Menace 331
Turner, A. Logan 287
Tyranny, The New 45
Types, Classification of Human 33
Typhoid in Oyster Juice 171
Ultra-Violet Glass 175
Unfitness Not Encouraged 157
Universe, Kernels of the 13
Universe, Size Measured 166
Upham, Charles M. 164
Urea, Synthesis of 255
U. S. Coast and Geodetic Survey 273
Vacant Lots in Solar System 389
Vacuum Tube Amplifiers 319
Valery, Paul 155
Van Biesbroeck, George 381
Vault Protection with Microphones 43
Vegetable Statics 301
Venus Visible in Daylight 199
Verkhoyansk, Siberia 111
Vermont Flood Like Johnstown 307
Vesuvius, Mt. 127
Vesuvius Rumbles 107
Vibro-Tactilist 115
Vibro-Bow, New Type of 25
Vincent, George E. 45, 335
Vinyl Chloride 164
Vitamin B Concentrate 277
Vitamin B in Lactation 215
Vitamins, Cod-liver 93
Vitamins for Margarine 301
Vogt, Oscar 407
Volta, Alessandro 395
Voltaic Pile, The 395
Waddell, Kenneth C. 403
Wagner-Jauregg, Julius 393

Waggaman, Wm. H.	141	Western Penitentiary	77	Wind Makes Alkali Flats	219	Wrenograph Checks Birds	360
Wakefield, E. G.	55	Wetmore, Alexander	360	Winder, Making a Geared	149	Wright, Milton	29, 365, 383
Walker, J. C.	281	Whales Champion Divers	275	Windmill, Electricity from	53		
War God Temple Discovered	249	Wheat, "Forcible Feeding" of	211	Winds Not Prophetic	207	X-Rays, Electrons Like	421
War Greater than World War	155	Wheeler, William Morton	34	Winter Begins December 22	395	X-Ray and Cathode Ray Burns	
Washington, Henry S.	107	Whipple, F. J. W.	115	Wire Explosions	289	Similar	403
Water Available Abroad	137	White, Leonard D.	399	Wisent	207	Xenon, Discovery of	47
Waterman, Leroy	253	White, William A.	393	Wisdom of Worms	295	X-Rays as Branch of Optics	387
Watkins, Albert	109	Whitehead, S.	109	Wohler's Outlines of Organic		X-Rays Diagnose Horse Ills	239
Wave Mechanics	399	Whiteman, Paul	205	Chemistry	255	X-Rays Imperil Heredity	91
Weaver, J. E.	271	Whiteness Compounded of Col-		Wolves, Red, on Rampage	205	X-Rays Speed Up Evolution	243
Weather from Asia	71	ours	315	Woman, Man and	207		
Weather Observations and Fore-		Whitney, Willis Rodney	211	Women, Position of Indian	313		
casting	365	Whittaker, E. T.	166	World and of Man, Nature of		"Year without Summer"	131
Weather, Pacific, Favorable	27	Who's Who in Occultism, etc.	365	World of Greece and Rome,		Yeast is Vitamin Source	277
Weather Vane for Camp	4	Whooping Cough Control	265	the	207	Yellow Fever, African	297
Weather, What About the	3	Why Stop Learning?	365	World, Our New	317	Yellowstone Gets Eagle	137
Webster, T. A.	301	Wickes, Frances G.	157	World's Earthquake Factory	121	Your Weight and How to Con-	
Wechsler, David	227	Wiegand, Theodor	249	Worms, Wisdom of	295	trol It	381
Weed, A. C.	125	Wiener, Meyer	263	Worse than Monkeys	137		
Weigall, Arthur	125, 171	Wiggam, Albert Edward	109	Worth, The Case of Patience	13	Zeiss Works, The	13
Weights and Measures Admin-		Wilt, New Plants Resist	281	Wood, Clement	363	Zoology, Textbook of General	319
istration	239	Williams, Roger J.	141	Wood, H. E.	385	Zoology, Laboratory Course in	
Welch, Fay	52	Williams, S. H.	125	Wood, More Methanol from	315	General	221
Wells, H. G.	11, 399	Willis, Bailey	273, 365	Wood, R. W.	99, 325	Zoser, Tomb of	323
West, Clarence J.	29, 319	Wineglassful of Brains	101	Woods, Frederick Adams	247		

## How to Use Key Words

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.

### Library of Congress Classification

A	General Works. Polygraphy.
B	Philosophy.
BF	Psychology.
G	Geography, voyages, travel.
GA	Mathematical and astronomical geog-
	raphy.
GB	Physical geography.
GC	Oceanology and oceanography.
GF	Anthropogeography.
GN	Anthropology. Somatology. Ethnol-
	ogy. Ethnography. Prehistoric ar-
	chaeology.
GR	Folklore.
GT	Manners and customs.
GV	Sports and amusements. Games.
HC	Economic history and conditions.
	National production.
HD	Economic history. Agriculture and
	Industries.
HE	Transportation and communication.
HF	Commerce.
HM	Sociology. General.
HQ	Family. Marriage. Woman.
HV	Social pathology.
L	Education.
M	Music.
N	Fine arts.
P	Philology and linguistics.
Q	Science. General.
QA	Mathematics.
QB	Astronomy.
QC	Physics.
QD	Chemistry.
QE	Geology.
QH	Natural history.
QK	Botany.
QL	Zoology.
QM	Human anatomy.
QP	Physiology.
QR	Bacteriology.
R	Medicine. General.
S	Agriculture. General.
SB	Field crops. Horticulture. Land-
	scape gardening. Pests and plant
	diseases.
SD	Forestry.
SF	Animal culture. Veterinary medicine.

SH	Fish culture and fisheries.	380
SK	Hunting. Game protection.	390
T	Technology. General.	400
TA	Engineering. General.	410
TC	Hydraulic engineering.	420
TD	Sanitary and municipal engineering.	430
TE	Roads and pavements.	440
TF	Railroads.	450
TG	Bridges and roofs.	460
TH	Building construction.	470
TJ	Mechanical engineering.	480
TK	Electrical engineering and industries.	490
TL	Motor vehicles. Cycles. Aeronautics.	500
TN	Mineral industries. Mining and Me-	
	tallurgy.	510
TP	Chemical technology.	530
TR	Photography.	540
TS	Manufactures.	550
TT	Trades.	560
TX	Domestic science.	570
U	Military science. General.	580
V	Naval science. General.	590

### Dewey Classification

000	GENERAL WORKS—
010	Bibliography
020	Library economy
030	General cyclopedias
040	General collected essays
050	General periodicals
060	General societies
070	Newspapers
080	Special libraries. Polygraphy
090	Book rarities
100	PHILOSOPHY—
110	Metaphysics
120	Special metaphysical topics
130	Mind and body
140	Philosophical systems
150	Mental faculties. Psychology
160	Logic
170	Ethics
180	Ancient philosophers
190	Modern philosophers
200	RELIGION—
210	Natural theology
220	Bible
230	Doctrinal. Dogmatics. Theology
240	Devotional. Practical
250	Homiletic. Pastoral. Parochial
260	Church. Institutions. Work
270	Religious history
280	Christian churches and sects
290	Ethnic. Non-Christian
300	SOCIOLOGY—
310	Statistics
320	Political science
330	Political economy
340	Law
350	Administration
360	Associations. Institutions
370	Education
380	Commerce. Communication
390	Customs. Costumes. Folklore
400	PHILOLOGY—
410	Comparative
420	English
430	German
440	French
450	Italian
460	Spanish
470	Latin
480	Greek
490	Minor Languages
500	NATURAL SCIENCE—
510	Mathematics
520	Astronomy
530	Physics
540	Chemistry
550	Geology
560	Paleontology
570	Biology
580	Botany
590	Zoology
600	USEFUL ARTS—
610	Medicine
620	Engineering
630	Agriculture
640	Domestic economy
650	Communication. Commerce
660	Chemical technology
670	Manufactures
680	Mechanic trades
690	Building
700	FINE ARTS—
710	Landscape gardening
720	Architecture
730	Sculpture
740	Drawing. Decoration. Design
750	Painting
760	Engraving
770	Photography
780	Music
790	Amusement
800	LITERATURE—
810	American
820	English
830	German
840	French
850	Italian
860	Spanish
870	Latin
880	Greek
890	Minor languages
900	HISTORY—
910	Geography and travels
920	Biography
930	Ancient history
	Modern
940	Europe
950	Asia
960	Africa
970	North America
980	South America
990	Oceania and polar regions