

SCIENCE NEWS LETTER for December 29, 1934

Abel, A. Lawrence 260
Abramson, Harold A. 227
Acetylcholine 266
Achilles, Paul S. 217
Adams, Walter S. 103
Adel, Arthur 5, 103, 270, 325, 379
Adiabatic heat 213
Adolf, Prince 38
Adonis 297
Age of earth 167
Agglutination 227
Agricultural res. 117, 387
Agruss, M. S. 105, 206, 329
Ahlmann, Hans 38
Ainu girdles 264
Air-conditioning 73, 100
Airplane ice 40
Airplane noise 125
Airship "stall" 73
Aitken, Robert G. 312, 344
Akiyosi, Commander 167
Albright, Fuller 59
Albright, W. F. 350
Alcohol—Biol. effect 170
Alcoholism deaths 200
Alichanian, A. J. 3, 47
Alichanow, A. J. 3, 47
Alien criminals 211
Alkalies for silicosis 197
Allen, A. A. 77, 276
Allen, David 277
Amebic dysentery 72, 173
America—Width 179
American Coll. of Surg. 230
Ames, Charles B. 140
Ammonia fertilizer 9
Anderson, Carl 141
Anderson, G. H. 46
Anderson, O. A. 68
Andrewes, C. H. 28, 53, 283
Andrews, Loring B. 233
Anemia 275, 277
Anesthetics 260, 268, 293
Animal friends 186
Animal parasites 118
Animals, fossil 142, 410
Animals—National parks. 4
Animals—Surgery 360
Annihilation of matter 229
Anthrax 214
Anti-influenza serum 283
Anti-viruses 220
Apes, intelligence 221
Apoplexy—birds 69
Apple diet 105
Aqueduct, longest 101
Arginase 181
Arizona ruins 15
Armstrong, Charles 344
Arne, Ture 57
Arrowsmith, Arthur 137
Arsenic 280
Arthritis 24, 61, 137
Artificial earthquakes 8
Artificial lightning 37
Ascorbic acid 179
Aston, F. W. 329
Atmosphere, upper 36, 169, 307
Atomic "bullets" 12
Atoms 138, 141, 228, 244
Aub, Joseph C. 59
Audrieth, L. F. 212
Autopsies 267
Autumn weather 174, 183
Baade, Walter 14, 244
Babies—Vitamin C 88
Bacillary dysentery 99
Bacteriophage 60
Bade, Wm. F. 260
Bahama Isl.—Geology 15
Bailey, Francis G. 173
Bailey, Guy 77
Baker, Francis E. 233
Bald eagles 281
Baldwin, Francis Marsh. 8
Ball, L. F. 148
Balloons, stratosphere 40, 65, 67, 131, 222, 333, 372
Barbour, Thomas 15
Barlow H. L. 153
Barnacles 353, 366, 380
Barnes, J. S. 232
Barnett, Charles W. 24
Barosaur 102
Barranca del Cobre 243
Barstow, A. C. 137
Bartholomew, Wilmer T. 108
Bartlett, Bob 47
Barton, Otis 120
Bartsch, Paul 312
Basal metabolism 24

Batholiths 46
Bathys and science 166
Bathysphere 99, 120
Bauer, Walter 59
Baumgartner, Fred M. 77
Baur, Franz 404
Baylis, John R. 72
Beach, Edward 293
Beams, J. W. 12
Bear cub 56
Bears 84, 85
Becan, Mayan city 393
Beck, Claude S. 9
Beckman, Harry 105
Bee stings 331
Beebe, William 99, 120, 164
Belinoff, Hugo 157
Bell, I. R. 293
Benade, J. M. 132, 372
Benedict, Francis G. 357
Benner, W. M. 47
Bennett, Ralph D. 89, 231
Berry, James A. 325
Bertrand, Gabriel 41
Bessey, Charles Edwin 332
Bessey, Ernest A. 332
Bethel 350
Bezsonoff, N. 88
Bhattacharya, Gopal C. 41, 110
Bird migration 297
Bird song 299
Birds cause fires 24
Birds' nests 281
Birds, winter 399
Birth control 148
Bishop, E. L. 328
Bitterness—medicine 280
Bittinger, Charles 56
Bjerge, T. 137
Black widow spider 339
Blake, Francis G. 217
Blakeslee, Albert F. 9
Blegen, Carl 381
Bleksley, A. E. H. 307
Blindness 182
Blood 24, 62, 198, 344
Blood-clotting 312
Bloomfield, A. L. 119
Bludworth, Frank 100
Blue light 317
Body tissues 268
Boestad, G. 76
Bogen, Emil 152
Bohemium 143
Bohus Castle 410
Bond, George P. 269
Bond, James 47
Bone surgery 264
Bonner, T. W. 138
Bonneville dam 39
Bonyng, C. W. 201
Book issue 245
Boothroyd, S. L. 63
Boron 329
Borwick, A. W. 200
Bottle drifts 137
Botulism 206
Boulder Dam 7, 39, 56, 73, 101
Bourne, A. I. 73
Bourne, Wesley 294
Bovine amniotic fluid 265
Bowden, F. P. 120
Bowen, I. S. 229
Bowman, Isaiah 151, 316
Boy with birds 186
Boyd, W. R. 313
Bragg, Sir William 228
Brain experiments 190
Brain study 35, 216, 345
Brandes, E. W. 83
Bread crust 265
Brickwedde, F. G. 323
Bridge, Baltic 311
Bridges, Calvin B. 195, 236
Brigham, Peter Bent 276
Bromine, radioactive 377
Brooks, Charles F. 363
Brown, Andrew W. 185
Brown, Barnum 51, 86, 102, 168, 296
Brown, Clarence W. 35
Brown, Gordon S. 89, 231
Brown's Valley man 147
Brode, Wallace R. 57
Brodie, Maurice 4, 189
Bruno, O. 347
Bunting, Russell W. 300
Burt, Harold E. 169
Bush, Vannevar 297
Business recovery 88
Butane 169
Buwalda, John P. 8

Buxton, J. Basil 133
Byrd hut replica 7
Cactus 22, 23
Cady, George H. 172
Caesarian operation—animals 360
Calcium chloride 104
Calculating machine 297
Caldwell, George W. 264
Caldwell, W. I. 52
Callenfels, P. V. van 196
Camera, long-range 264
Campbell, Ian 296
Cancer 53, 72, 152, 181, 230, 244, 266, 280, 308
Cantrill, Hadley 156
Canyon—Mexico 243
Carbon electric arc 185
Caries 300
Carington, Whatley 200
Carpenter, C. R. 105
Carpenter, E. F. 198
Carpenter, R. R. M. 47
Carpenter, W. K. duPont 47
Carriker, M. A., Jr. 47
Clark, C. C. 21
Clark, Guy W. 277
Clark, Herbert C. 265
Clark, J. H. 227, 377
Clark, W. Le Gros 93
Clarke, H. S. 281
Clay, J. 164
Clements, Forrest E. 126
Climate, antideluvian 52
Climate—Boulder Dam 73
Climatic changes 71
Clinical Congress 230
Cloos, Ernst 377
Clouds 165
Cobb, F. E. 343
Cochran, Doris M. 312
Cockcroft, J. D. 229
Coffin, R. G. 355
Colbert, Edwin H. 296
"Cold light" 72
Cole, L. G. 295
College exams 233
Collins, W. D. 205
Collip, J. B. 59
Color changes—fish 36
Combustion 158
Comet, Encke's 46
Comet, periodic 121
Comet, Schwassman-Wachmann's second 392
Comets, future 312
Compendor 125
Compton, Arthur H. 89, 131, 163, 222, 231
Compton, Karl T. 6, 405, 408
Convallaria majalis 297
Convulsions 242
Cooper, John M. 217
Cope, Theodoro 77
Copper-coated coins 184
Corn 326, 329, 332
Corn borer 24
Corneas, grafted 261
Cornish, Robert E. 341
Cosmic dust 110
Cosmic ray expedition 89
Cosmic ray film 233
Cosmic ray instruments 8
Cosmic rays 13, 87, 131, 163, 164, 222, 229, 269, 356, 366, 373
Cousin marriages 264
Cow's Horn 264
Cranberries 333
Crane, H. R. 47, 244, 259
Crater Lake 401, 410
Creech, G. T. 301
Crew, F. A. E. 3
Cribbing 233
Crime rate 211
Crime detection 169, 267
Crime prevention 232
Crocker, Templeton 315
Crosby, Thomas 358
Crow 303
Crows, South African 136
Crude oil 140
Crystallography 228
Culler, Elmer 191
Cummings, H. K. 40
Cunarder 534 177, 184, 214
Curie, Marie 19
Curie-Joliot, Irene 19, 141, 228
Cushing, Harvey 286
Cutler, Max 72
Cutting, W. C. 198
Cysteine 264
Dafoe, A. R. 139

Dakin's solution 153
Dale, Sir Henry 266
Dam, H. 41
D'Amour, Fred 339
Dancing dwarfs 295
Dandelion head 1
Danforth, W. E., Jr. 366
Darby, Fred W. 243
Darling, F. Frazer 200
Dart points 147
Daufresne, M. 153
Davison, Charles 101
Davy, Sir Humphrey 185
Dearing, W. P. 45
Death prediction 62
de Boisbaudran, Lecoq 136
Decaux, B. 142
Deering, Olia 234
Dekanawida 123
Dellinger, J. H. 23
Dendritic figures 237
Dengue fever 88
De Porte, J. V. 89
De Rényi, George S. 104
Desert fruits 233
Desert picture 17
Desert plants 22, 55
Deserts 152
Detached retina blindness 182
Detzner, Hermann 83
Deuterium 104, 169, 323, 324
Deutons 121
d'Herelle, F. 60
Diabetes 5
Dickson, Don 213
Dickson, John R. 168
Diesel locomotives 362
Diet—farmers 31
Digitalis 266
Dihydrodesoxy-norphine D. 371
Dinitrophenol 198
Dinosaur brain 168
Dinosaur eggs 13
Dinosaur "models" 243
Dinosaur tracks 57
Dinosaurs 51, 61, 86, 102
Dionne Quintuplets 217
Diplons 121
Diving equipment 241
Divinyl ether 293
Dodds, E. C. 286
Dog diet 152
Dog distemper 28
Dog—Evolution 297
Dogs—Intelligence 132
Dolan, Brooke 47
Dolan, Margery 197
Dolphin leather 328
Dorn, John H. 104
Dragon-lizards 61
Drinker, Philip 346
Drinker respirator 341
Drought 40, 69, 70, 106, 115, 329
Drought records 140
Drought-resistant grasses. 119
Drug, new 371
Drunkennes test 68, 376
Dublin, Louis I. 403
DuBois, E. F. 59
Dubois, Eugene 93
Dukes, Charles A. 244
Dunham, Theodore, Jr. 103
Dunlap, Knight 185
Dunning, John R. 237
Dunnington, J. H. 182
Dura—Horse armor 362
Dura—Temple 362
Duryee, A. Wilbur 156
Dust storm 106
Dutch elm disease 38, 174, 373
du Vigneaud, Vincent 6
Dwarfs, ivory 295
Dwyer, C. G. 174
Dyes, fadeless 57
Dynamics of population 294
Dysentery 72, 99, 173
Dzelpow, B. S. 3, 47
Eagle feathers 281
Eagle's fight 200
Earring, Mound-builder 113
Earthquake—Baffin Bay 148
Earthquake—Bering Sea 313
Earthquake—Caribbean 46
Earthquake—Central America 54
Earthquake—Chile 6
Earthquake—Equator 360
Earthquake—Mexico 6
Earthquake—Missouri 141
Earthquake—Pacific 88
Earthquake—Philippine 121
Earthquake reporting 376

SCIENCE NEWS LETTER

Index—Vol. XXVI

Nos. 691-716—July to December, 1934

Published by

Science Service, Washington, D. C.

Tear out and insert in binder at beginning of volume

Carson, S. T. 73
Cartwright, C. H. 63
Cartwright, W. B. 24
Casa Grande, ruins 15
Casein paper finish 120
Caskey, Floyd G. 38
Casselberry, W. S. 14
Castle, W. B. 119
Caterpillar 179
Cattell, J. McKeen 364
Cattle—Gland operations. 301
Caustic, new 259
Cavenport, Charles B. 264
Ceder, E. T. 45
"Cepeid variables" 307
Chadwick, James 121
Chalmers, T. A. 237, 375
Chambers, Edmund 91
Chaney, N. K. 185
Chapman, H. H. 342
Chappell, F. L. 120
Charles, Enid 298
Charles, H. L. 43
Cheluskian expedition 268
Chemical names 25
Chemical theory, money. 9
Chemicals—importation 216
Chiba, Shigetaro 30
Chichen Itza 182
Chicken feathers 72
Child bearing 260
Child behavior 260
Child mothers 200
Childlessness 260
Childs, Frank W. 85
Chimpanzees—intell. 184
Chinch-bugs 35, 126
Chinnery, E. W. P. 83
Chittum, Joseph F. 199
Chlorophyll 9
Cholesterol 152
Christensen, J. J. 329
Christmas trees 238
Christofferson, Olof 153
Chromium mirrors 63
Chromosomes 302
Chromosomes 302
Circus—typhoid-stricken 92
Citric acid 132
City planning 145, 155
City water 205
Clark, Austin H. 179



Steel houses289, 296
 Steel, twisted 3
 Stein, Gertrude 374
 Steiner, W. 232
 Steinmaurer, R. 269
 Stephens, J. L. 119
 Stetson, Harlan T. 121
 Stevens, A. W. 8, 68
 Stimson, A. M. 355
 Stinging bees 331
 Stirling, M. W. 83
 Sturton, R. A. 142
 Stock, Chester A. 103
 Stockton, A. B. 198
 Stoll, B. 309
 Stomach, human 295
 Stomach ulcers 286
 Stone Age skeletons—Troy 381
 Stone Age village 328
 Storm paths 373
 Stormer, C. 23
 Stradling, Richard 103
 Strain seismometer 157
 Stratosphere 62
 Stratosphere balloons 65, 67, 131, 222, 333, 372
 Stratosphere flight 40, 68, 87, 233
 Stratosphere rockets 163
 Stratosphere weather 393
 Stratton, George M. 86
 Steam pollution 376
 Street car, new 197
 Streptococcus carriers 201
 Stromboli, volcano 138
 Strong, John 63
 Stuttering 313
 Submarine canyons 310
 Sugar in diet 300
 Suicides 88
 Sulaiman, Sir Shah 339
 "Summer complaint" 105
 Sumner, Francis B. 36
 Super-galaxy 198
 Surgery 230
 Surveying instruments 393
 Sutherland, G. B. B. M. 232
 Sutton, George Miksch 281
 Swann, W. F. G. 164, 366
 Swedish Castle 410
 Swedish expeditions 38
 Sweeney, O. R. 153
 Swine—diseases 71
 Svedberg, The 76
 Synthetic Vitamin C 179
 Szent-Gyorgyi A. 179
 Szilard, Leo 237, 375
 Tabardillo 26
 Tainter, M. L. 198
 Tanning, A. Vedel 72
 Tanner, F. W. 206
 Taste of food 168
 Taylor, Grantley W. 280
 Taylor, Hugh S. 104
 Tear gas—bears 85
 Telephoto camera 264
 Telescope mirror 63, 120, 231
 Telescope, siderostat 76
 Telescope, Soviet 266
 Temperature, feeling 198
 Temperature, highest 185
 Temperature, breath 357
 Temperature—Upper atmosphere 307
 Tensor theory 109
 Termites—Diet 89
 Terry, Walter P. 360
 Tests, porosity 73
 Thermocouple 357
 Thomas, Tudor 261
 Thompson, Ben H. 93
 Thorium 267
 Thorndike, Edward L. 191
 Throat secretion 25
 Thunderstorms 169
 Thymus gland 227, 377
 Thyroid gland 60
 Tide, record 4
 Tides—Effect on earth 392
 Time signals 311
 Titanium 217
 Tizard, H. T. 166
 Tobacco acid 132
 Toch, Maximilian 28
 Tolansky, S. 141
 Toll, Roger W. 84
 Tomato-worm 175
 Tombaugh, Clyde W. 378
 Tone, singing 204
 Tonsil removal 184, 201
 Tooth decay 300
 Tortoise, old 39
 Toys, Egyptian 295
 Tozzer, Alfred M. 182
 Traffic accidents 153
 Trance mediums 200
 Transmutation of elements 356
 Treadgold, H. A. 60
 Treadway, Walter 371
 Trebizond 356
 Tree belt 342, 350
 Trees—Growth 200
 Trees, icy 385
 Triceratops 243
 Trichloride, nitrogen 8
 Triplets 117
 Trojan cemetery 381
 Trolley car-bus 15
 Trotter, H. Jr. 12
 Troy—excavations 380
 Tsutsumi, Toshimasa 236
 Tuberculosis 222
 Tuberculosis test material 372
 Tuberculous cattle 133
 Tuberculous moose 263
 "Turkish corn" 326
 "Turkish cucumber" 327
 Turkey—name 326
 Turtlehead 223
 Tularemia 42
 Tuve, M. A. 30
 Twins 20, 139, 180
 200-inch telescope 231, 265, 360
 Typhoid fever 89, 92
 Typhus fever 26
 Ultraviolet rays 137, 216, 265, 374
 Ultraviolet, solar 309
 Uranium 267
 Urey, Harold C. 303, 321, 323
 Urushiol 201
 Van Biesbroeck, G. 392
 Van de Graaff, R. J. 408
 van de Kamp, Piet 185
 Vanderbilt, George 47
 Van der Pol, B. 23
 Van Duzer, W. A. 376
 Variable Stars 344
 Vasiliev, Alexander A. 356
 Velocity—meteorites 292
 Venus—atmosphere 103
 Vinal, W. G. 410
 Violin making 52
 Viruses, disease 308
 Vitamin C 88, 355
 Vitamin D 179
 Vitamin E 120
 Vitamin—new 41
 Vogel, Victor H. 313
 Voice tests 108
 Von Grosse, Aristid 182, 206, 329
 Von Ratz, S. 71
 Vose, Samuel N. 260
 Vyssotsky, A. N. 185
 Wade, H. Windsor 165
 Waldron, C. B. 343
 Wallace, Henry A. 117, 189, 332
 War machines 108
 War—prevention 41
 Washburn, E. W. 324
 Wassen, Henry 38
 Watches—Elinvar parts 152
 Water 158
 Water boy image 259
 Water, "De-silted" 45
 Water hardness 205
 Water plants 110
 Water purification 72
 Water supply 205
 Water-repellent fabrics 392
 Wathelin, Luis 315
 Watson, E. A. 133
 Watson, E. M. 55
 Watson, J. A. S. 189
 Watts, C. B. 179
 Wave print 296
 Waynick, Dean D. 9
 Wayson, N. E. 345
 Weather—airplane repts. 21
 Weather forecasting, long-range 363
 Weather maps 40
 Weather reports, radio 184
 Webster, Leslie T. 45
 Weight-reducing drug 198
 Welding pipe 150
 Wenstrom, W. H. 67
 West, C. J. 88
 Westcott, C. A. 137
 Weston, A. J. 173
 Whales 56
 Whipple, F. L. 313

Whipple, George H. 275, 276, 323
 Whitaker, H. 328
 White, David 23
 White, Priscilla 55
 White, Theodore 372
 Whytlaw-Gray, R. 328
 Widenhorn, Hans 260
 Wiener, Joseph 156
 Wight, A. E. 133
 Wilbur, John B. 297
 Wilby, F. B. 393
 Wilder, Russell M. 27
 Wilderness 191
 Wildt, Rupert 5, 270
 Will, George F. 343, 364
 Willard, Bradford 57
 Williams, Robert C. 169
 Williams, Robley C. 63
 Williams, W. C. 328
 Willimott, Stanley G. 184
 Willow cones 133
 Wilson, C. T. R. 138
 Winds, upper air 165
 Wingless rooster 225, 234, 391
 Winter forecast 404
 Wisent 77
 "Witch doctors," White 109
 Wolcken, Kurt 62
 Wolfe, J. B. 221
 Wood, Dorothy 293
 Wood, H. O. 28
 Woodward, Arthur 15
 Wooley, J. G. 344
 Woolman, Edward 47
 Words—meaning 191
 Wright, F. E. 361
 Wright, Irving S. 156
 Wright, Orville 137
 Wright airplane 137
 Wyatt, Barnard Langdon 24, 61
 Wyckoff, H. A. 119
 Wylie, C. C. 103, 292
 Wylie, Robert H. 85
 Xenia 190
 X-ray 76, 296
 X-ray analysis 52, 124
 X-ray of body 69
 X-ray Tube 360
 X-ray—Veterinary use 121
 Yachts—construction 196
 Yeast—New kind 325
 Yeats, Parks A. 9
 Yellowstone bears 84
 Yellowstone fish 78
 Yerkes, Robert M. 201
 You Bet mine 211
 Young, Edward L. 265
 Zapotec gold mine 409
 Zeiss planetarium 269
 Zepelin LZ-129 129, 142
 Zinc in diet 41
 Zon, Rafael 342
 Zviagintsev, V. E. 136
 Zwicky, Fritz 14, 229

This Index Will Complete Your Bound Volume

This index is arranged for use with the SCIENCE NEWS LETTER steel binder.

Remove the four index pages from the center of this issue, place them in front of the twenty-six issues from July to December 29, 1934, clamp all in the strong steel fingers of the binder and you have Volume XXVI, Numbers 691-716, SCIENCE NEWS LETTER.

The binder protects against tearing, soiling, and loss of single issues and keeps all numbers arranged for ready reference through the index.

The sturdy steel binder, bound in black, leather-finished, bookbinder's bristol, of a heavy grade, may be obtained by mailing 50c. (\$1.00 for addresses outside the United States) to the Librarian, SCIENCE NEWS LETTER, 21st Street and Constitution Avenue, Washington, D. C.

ERRATA, Vol. XXVI, Nos. 691-716, July-December, 1934

PAGE	TITLE BEGINS	CORRECTIONS
3	Find Second Way	See SNL, July 21, p. 47.
7	Don't Forget	Par. 2, line 6—Arthur S. for Arthur A.
12	Silver Acts	Par. 5, line 5—argyrol, another compound of the same metal for argyrol, a more dilute form of the same salt.
19	Madame Curie	Col. 3, line 6—pound for ounce.
72	Amebic Dysentery	Par. 2, line 2—freeing for freezing.
73	Identity of City's	Par. 2, line 2—Juan for Jaun.
75	Saturn Visible	Col. 1, line 28—26 thousand for 26 million; Col. 3, line 12—eastern for western and before sunrise for after sunset; line 14—west for east.
84	Lightning and Drought	Col. 2, par. 4, line 5—should read, not included in the 162,591,124 acres of National Forests.
175	A Manifold Burden	Caption, last line—have practically sucked for will suck.
217	Pneumonia Helped	Par. 3, line 2—may for can; line 3—the largest for a large; line 5—indicated for showed.
266	Chemical Released	Par. 4, line 5—after three insert million; line 9—fourteen for twenty.
270	Perpetual Ice Age	Par. 2, line 7—after them delete rest of sentence; par. 3, line 11—delete lately; line 12—after atmospheres insert by himself and lately also.
282	World's Largest	Elevator referred to has already reached completion.
297	Fireball Rivalled	Line 6—Olivier for Oliver.
325	Mysterious "Great Red Spot"	Line 9—86,720 for 34,800.
297	Burst By Light	Caption, last line—393 for 387.
366	Goose Barnacles	See SNL, Dec. 15, p. 380.