

"Servo-mechanism"	69	Steggerda, Frederic R.	122	Trees—diseases	104, 169, 179	Vitamin C—synthetic	168	White spot—Saturn	
Settle, T. G. W.	359	Steinach Eugen	345	Trees, petrified	173	Vitamin D	155, 184	Whitehead, J. B.	381
Setzler, Frank M.	15, 307	Sterilization	295	Troxell, H. C.	107	Vitamin G	375	Whitehouse, H. Beckwith ..	259
Sex and family	164	Stern, O.	120	Truck drivers	281	Vitamins	253	Whitney, M. O.	25
Sex control—test	204	Sterol ring	184	Tuberculosis		Vocubulary	191	Whitney, R. W.	171
Shackleton, Sir E. H.	183	Stetson, Harlan T.	56, 373	Tubes, glass	137	Vocational guidance	77	Whooping cough—vacci-	92
Shambaugh, George E., Jr.	109	Stevens, H. P.	109	Tugwell, Rexford	116	Volcanoes 140, 156, 169, 377		Whorf, Benjamin Lee	154
Shapley, Harlow 132, 262, 376		Stevenson, D. H.	83	Tul tree	21	von Liebig, Justus	202	Wilhelm, Glenn P.	125
Shear, M. J.	121	Stewart, John Q.	72	Tumors	5, 361	Von Schrenk, Herman	21	Wilkes, Charles	183
Shetrone, H. C.	93	Stieglitz, Julius	188	Tumors, plant	238	Voss, John	121	Wilkins, Sir Hubert	182, 183
Sherman, H. C.	220, 253	Stirling, Matthew W.	291	Tung, K. Z.	312	Voss, W. C.	25	Williams, Jessamine C.	72
Sherman, Irene	54	Stock, Chester	343	Turkeys	344	Vysotsky, A. N. 47, 121, 136		Williams, L. L.	244
Sherman, Mandel	54, 76	Stomach	20, 109, 211	Turrentine, J. W.	154	Walke, Harold	131	Williams, Roger J.	195
Shkvarnikov, P.	239	Stone age man	85	Turtle	180	Wallace, Alfred R. 42, 58, 59		Willis, John E.	115
Shoes	333	Stone blades	190	Twins	257, 378	Wallace, Henry A.	36, 37, 38, 127	Wilson, D. A.	89
Shopping	255	Stone decay	20	Twins, identical	10, 230	Wallace, Herbert S.	24	Wilson, Woodrow	124
Shoreline—protection	101	Storks—Germany	217	Typewriter script	313	Wallace's line	42, 43, 44, 58, 59	Winchmann, H. J.	381
Shrine, China	312	Storms	170, 355	Typper, Ernest Edward	344	Walston, H. D.	227	Winds	108, 185
Siam—fauna	25	Storms—synthetic	101	Uhlenbeck, Geo. E.	250	Walton, E. T. S.	10	Winsor, A. L.	296
Silicosis	67	Stout, William B.	158	Ulcers—stomach	20	Walton, W. R.	260	Wisconsin, Univ. of	311
Simmons, James S.	172	Stratosphere 148, 241, 245, 359		Ultraviolet filters	261	Wantz, J. B.	227	Wood—protection	136
Simpson, George G.	328	Streamlining	281, 308	Ultraviolet light		War	35, 153, 190, 419	Wood, H. E.	73
Sinanthropus	85, 90	Struve, Otto	122, 123, 136	Ultraviolet radiation 153, 375		Ware, R.	35, 153, 190, 419	Wood, Harry O.	389
Sirius	47, 67	Students, college 191, 216, 231		Uncertainty principle	72	Washburn, E. B.	384	Wood, R. W. 261, 388, 425	
Sirius—companion	121, 136	Students—examination	200	Underground distillation	281	Wasmund, Erich	373	Woodruff, A. M.	83
Skeel, Madga Skalet	185	Students—grades	184	Unemployment		Wasp	285	Woodward, Sir Arthur S.	90, 93
Skeletons—dinosaur	216	Submarines	111	Unger, Leon	57, 187, 355, 420	Water	28, 107, 131, 424	Woolley, C. L.	173
Skellet, A. M.	72	Succulents, leafy	193, 201	U.S. Bureau of Standards	200	Water-lily	16, 17, 30	Wooster, L. D.	361
Skin—texture	57	Sucker	56	U.S. Employment Service	148	Water supply	107, 108, 168	Work—efficiency	201
Skin—diseases 196, 228		Sulfur	277	U.S. Intern'l. Council. of		Waters, C. E.	423	"Working" weather	244
Skull, turquoise-covered	84	Sulfur dioxide	25	Scient. Unions	92	Waters, Ralph M.	282	Work-weather map	230
Sky-writing	101	Sullivan, M. X.	185	U.S. Public Health Ser-		Watersheds	107	Wren, Christopher	20
Slater, John C.	250	Sulphuric acid	169	vice—cuts	36, 37, 38	Watkins, W. G.	422	Wright, George M.	173
Sleep	249, 294, 392	Summer	8, 106	Universe	83, 135, 201, 211, 341	Watson, Goodwin	100	Wright, Irving S.	88
Sleep—children	119	Summer school—jungles	10	Unterberger, F.	204	Watts, Oliver P.	171	Wright, W. H.	115
Sleeping sickness—St. Louis		Summer, Francis B.	88	Ur—archaeology	173	Waves	101	X-ray photographs	9
141, 163, 172, 173, 174,		Sun	293, 377	Uranium	11	Waves, radio	147	X-ray, pressure exper.	12
185, 207, 244		Sun—temperature	116	Urey, Harold C. 149, 181, 388		Waves, submarine	319	X-ray tube	227, 228
Sleepy drivers	281	Sun worshippers—Carnac	86	Utterback, C. L.	393	Weather	8, 9, 67, 165, 197, 343, 371, 376, 390	X-rayed water	249
Slepian, Joseph	172	Sunspots 25, 276, 307, 343, 373		Vaccine—smallpox	83	Weather—Antarctic infl.	186	X-rays 12, 40, 99, 222, 228, 423	
Slime-molds	270	Surgery	5, 125	Vaccine—whooping cough	92	Weather—forecasting	25, 308	X-rays—cancer	227
Slipher, E. C.	115	Surveying	110	Vacuum, disks in	202	Weather hints, hot	106	X-rays—low-voltage	232
Slipher, V. M.	27	Swann, W. F. G.	68	Vacuum tube amplifiers	69	Weather stations	197	X-rays—lung diseases	233
Sloth, ground—fossil	217	Swanton, John R.	52	Valerian	234	Weaver, J. E.	168	X-rays—negative	99
Slye, Maud	52	Swingle, W. W.	245	Van Biesbroeck, George	123, 136, 259, 284	Weeds	95, 110, 131, 132, 422	X-rays—positive	99
Small, John K.	249	Swiss Lake Dwellers	86	Van de Graaff, Robert J. 364		Wegener hypothesis	84	X-rays—public health	221
Smallpox	83, 356	Sykes, W. Stanley	296	Van Vleck, John H.	250	Weight, children's	313	Yarmanchook, Engineer ..	281
Smith, C. W.	153	Syverton, Jerome T.	61	Vansell, G. H.	422	Weight loss from body	295	"Yarovization"	309
Smith, David T.	8	Talkie films	329	Vega, Luis Rosado	300	Weight-reducing	396	Yellow fever	234
Smith, Hugh M.	25	Tanks	111, 152	Venus	70, 391	Welding	111, 426	Yellowstone National Park ..	53
Smith, Margaret G.	185	Tapeworm	427	Venus' flytrap	103, 170	Wells, Lloyd L.	25	Yust, Arthur A.	247
Smith, Sidney Kinnear	231	Tarpon	232	Verder, Elizabeth	380	Wendel, W. B.	55	Z-axis	68
Smith, Theobald	312	Taylor, C. V.	249	Vibrations	153, 188	West, Clarence J.	217	Zero	181
Smoke, frozen	101	Taylor, Hugh S.	245	Virus—smallpox	83	Whelpton, P. K.	314	Zinc carbonate	109
Smoking	296	Taylor, Lauriston S.	221	Viruses, filterable	141, 185	Whipple, Fred L.	284	Zinc plating	107
Smoothness determinations		Teeth	75	Vision	186	Whistling jugs	149	Zoological differences	42, 58
Snail	395	Tektites	329	Vitamin A	20, 196, 227	White, E. L. C.	19	Zoology—expedition	25
Snakes	361	Telephones	232	Vitamin C	174	White, L. T.	170	Zwick, Karl G.	41, 46
Snapdragons	217	Telesopes	232	Van Biesbroeck, George	123, 136, 259, 284	White, Ralph K.	200		
Snodgrass, R. E.	326	Tell Asmar—archaeology	173	Temperature	4	White pine disease	169, 300		
Sobolov, W. A.	137	Temperature differences	233	Temperature—sun	116				
Sodium bicarbonate—sex	204	Temperature—low	181	Temperatures, low	181				
Sodium—cancer treatment	121	Tennessee Valle	283	Tension structure	73				
Sodium vapor light	280	Test chamber	245	Tests, mental	9				
Sodom	184	Tests, occupational	76	Tests, psychological	204, 206				
Soil erosion	83	Tests, psychological	204, 206	Texas—archaeology	1				
Soil—Switzerland	46	Theater—Minturno	246	Theater—Minturno	246				
Solar eclipse	126	Thermite reaction	39	Thibaud, Jean	262				
Solar heat	116	Thibaud, Jean	262	Thinking, oral	200				
Solar radiation	25	Thom, W. T., Jr.	285	Thom, W. T., Jr.	285				
Solids	181	Thomas, J. O.	249	Thompson, Ben H. 136, 173					
Soltan, A.	220, 228	Thompson, J. Eric	206, 223	Thompson, J. R.	36				
Solvent	342	Thompson, L. R.	36	Thompson, Warren S.	314				
Somerville, A. A.	219	Thompson, Sir J. J.	99	Thomson, M. N.	30				
Sommerfeld, Arnold	250	Thon, M. N.	30	Thor, Esther K.	255				
Sorokin, Pitirim A.	419	Thrupp, Thomas C.	20	Thyroxine	335				
Sound	153	Tide	108, 109	Tide	108, 109				
S. America—archaeology	31	Tietz, Esther Bogen	284	Tin plating	107				
South Pole—expeditions	182	Ting, V. K.	90	Tires	104, 187				
Soviet ascension 241, 245, 259		Tobacco	122	Tobacco	122				
Soviet social system	21	Todd, Charles	126	Todd, Charles	126				
Spain—archaeology	232	Todd, T. Wingate	4	Toll, Roger W.	284				
Spectra	181	Toll, Roger W.	284	Tomatoes	14, 24, 297				
Spectroscope	10, 67	Tongue—vaccination	281	Tomatoes	14, 24, 297				
Spectrum	132, 149, 181	Tools	28, 184	Tongue—vaccination	281				
Spedding, Frank H.	181	Tools	28, 184	Tools	28, 184				
Speed	387	Town planning, ancient	173	Tools	28, 184				
Spence, Kenneth W.	186	Toxoid—diphtheria	75	Tools	28, 184				
Spencer, Arthur Coe	37, 38	Tozzer, Alfred M.	154	Tools	28, 184				
Sperry, Charles C.	222	Tractors	153	Tools	28, 184				
Spiders	41, 195	Train—ball bearing	281	Tools	28, 184				
Spleen	9	Transmission, radio	19	Tools	28, 184				
Sprays	118	Transmutation	8	Tools	28, 184				
Spreading factor	292	Travis, Lee Edward	201	Tools	28, 184				
Stafford, O. F.	342	"Treasures of Carniola"	309	Tools	28, 184				
Stagner, Ross	204	Tree ring	376	Tools	28, 184				
Stammering	201	Trees	152, 159, 169, 261, 381, 384	Tools	28, 184				
Standards—U. S. commer-				Tools	28, 184				
cial	78			Tools	28, 184				
Stansel, R. H.	203			Tools	28, 184				
Star story	6, 70, 150, 218, 298, 362			Tools	28, 184				
Star temperatures	380			Tools	28, 184				
Stars	5, 47, 68, 136, 200			Tools	28, 184				
Stars—brightness measured	47			Tools	28, 184				
Stars, variable	5, 132, 232			Tools	28, 184				
Statuary	371			Tools	28, 184				
Stead, William H.	148			Tools	28, 184				
Steam vent	169			Tools	28, 184				
Steamship	65			Tools	28, 184				
Stevenson, W. H.	115			Tools	28, 184				
Stebbins, Joel	383			Tools	28, 184				
Steel	73			Tools	28, 184				

ERRATA. Vol. XXIV, Nos. 638-664, July-Dec., 1933

PAGE	TITLE BEGINS	CORRECTIONS
29	New York	Head—Fourth for Third. Line 7—Same. Line 11—After Philadelphia insert and contracts have been awarded for a third in Los Angeles.
40	Lively Young	Line next to last—After usual insert South American.
41	Twelve-Legged	Par. 3, line 6—anthropoda for anthropidae. Par 5, line 2—same.
54	Teach Children	Second bank of head—Precept for Percept.
70	Venus Enters	Col. 3, line 18—western for eastern; third line from bottom, star for planet.
72	Uncertainty	Par. 3, line 8—velocity for position.
82	Do You Know?	Line 1—About 5,000 for two hundred.
105	Physicists Seek	Col. 2, line 10—Dr. W. for Dr. A.
115	Spot Larger	Par. 3, line 7—3 for 5. Col. 3, last par.—delete being and rest of sentence.
117	Iron Blade	Head—Millennium for Millenium.
149	Dead Seas	Line 6—E. W. for E. B.; line 17—Palestine for Asia Minor.
153	New Relativity	Delete last sentence.
186	Waltz Time	First part last sentence—Although the three