

- A Treatise on Fluorosis, book review ...34:181-183 (cn 35:66)
 AAAS Denver Symposium..... 10:141-144; 13:90-95
 Ab initio calculations 30:191
Abies alba F⁻ content 9:63-70; 11:68-75, 186-197
Acacia georginae..... 1:9-14, 14; 4:129-136; 6:189-194
 203-215; 7:108; 16:106-111
 Acetanilide hydroxylase 15:132-136
 Acetate kinase 35:140
 Acetylcholinesterase 3:43-45
Achillea millefolium 9:204-212 (cn 10:44)
 Acid
 -base status 26:151; 32:118-119
 dissolution and fluorhydroxyapatite 28:171; 29:118-119
 hydrolyzed F⁻ determination 22:149
 -labile organic F⁻ 4:38-39, 39-40
 phosphatase 9:42-46; 11:106-107, 157-159
 14:61-68, 132-141; 17:144; 21:131-136; 22:78-85; 23:98-99; 26:150; 27:231-232; 33:6-16
 production, oral bacteria *See Oral bacteria*
 reactivity, apatites 17:263-264
 resistance 26:291-292; 34:203
 secretion 28:3-9
 Acidulated phosphate F⁻ 18:169-170, 170-171; 29:49, 120
 Acne 2:191; 9:121; 10:1-4, 40-41
 13:141. *See also F⁻ and dermatological effects*
 Aconitase inhibition 2:72; 5:220-225; 6:203-215, 215-224
 224-245; 13:80
 Aconitate hydratase 6:224-245; 11:14-17; 12:114-124
 17:94-104
 Acrosomal integrity, sperm 25:71-76
 Acrosomes 35:153-160
 ACTH 26:76
 Actinomyces viscosus 26:76
 Acute fluoride
 poisoning/intoxication *See F⁻ poisoning/Fluoride toxicity*
 toxicity,
 F⁻ effluent 18:104-110
 review 30:89-104
 Acute fluoride toxicity, cont'd
 science basis 31:55-56
 Acute renal
 damage, F⁻ dose response 31:S9; 32:263
 33(1):S9-S10, 210-217, 219
 failure 32:104-105
 Adenine nucleotides 9:173-184
 Adeno-epithelial cells, ultrastructural changes 34:79-80
 Adenosine triphosphate (ATP) 5:43-45; 6:19-32, 224-245
 14:132-141; 23:192; 26:233; 32:104-105
 Adenyl cyclase .. 15:202-208; 17:138, 210-217; 18:172; 19:43
 review 6:19-32; 16:181-186
 Adipose tissue 2:134; 26:233
 Adjuvant, mucosal/systemic immunity 25:97
 Adolescents, clinical trial 32:119-120
 Adrenal
 function 13:4-9, 148-151; 26:76
 gland 12:65-71; 13:88-89; 26:45-56; 34:79-80
 histology 26:45-56
 hormones and water F⁻ 5:213-219
 Adsorption
 and desorption, nails 25:96
 chemistry 35:253-254
 Aegilops seeds and NaF 20:48
 Africa
 dental caries 26:161-162; 32:118-119; 34:185, 269-270
 dental fluorosis 1:119-121; 30:192-193, 247; 32:118-119
 33:91, 218; 34:153-154, 269-270; 35:57, 138-139
 environmental fluoride 35:253-254
 groundwater fluoride 35:211
 Age *See Bone/Serum/Plasma F⁻ and age*
 dependence, cancer 10:102-123
 Aging and oral cavity 33(1):S35
 Aging of trees and F⁻ 11:186-197
 Agro-climatic zones, soil F⁻ 25:135-142
 Aguascalientes, Mexico 34:194
 Air Contamination Effects, book review 2:60-61
 Air pollution . 2:2-3, 4-12 (cn 127), 25-27, 28-32, 33-36, 62-70
 97-105, 188, 189-190, 206-213; 3:137-142; 4:93-96, 97-98;
 5:89-91, 145-163; 7:7-31, 88-93, 153-165, 174-176, 181-
 199, 223; 8:25-33; 10:14-21, 45-47, 47-62, 93-94, 152-156;
 12:9-17, 102-103; 15:14-20; 16:175-180; 18:46-53, 80-86,
 86-92, 93-95; 20:93-94, 118-125; 21:107-108; 23:101-103,
 119-123, 129-136, 143-144, 187; 29:104-105, 179; 33:94.
 See also Airborne F⁻/Coal-burning/Environmental F⁻
 according to Kaj Roholm 2:1
 Air quality fluoride survey 3:143-152; 26:214
 Airborne fluoride 1:41-49; 2:25-27, 28-32, 33-36, 37-39
 40-48, 55-59, 62-70, 97-105, 206-213; 3:42-43, 53-60, 61-
 65, 109-112, 143-152; 4:21-24, 30-36, 80-84, 85-88, 89-92,
 93-96, 97-98, 102-108 (cn 209); 5:14-17, 74-81, 145-163,
 172-181; 6:127-137; 7:7-31, 88-93, 123-135 (cn 8:57), 153-
 165, 174-176, 181-199, 223; 8:25-33, 224-240; 10:14-21,
 45-47, 47-62, 93-94, 152-156; 11:38-39, 135-141, 198-207;
 12:109-110; 13:145-147, 171-172; 14:47, 51-55, 195;
 15:78-81, 124-131; 16:175-180, 229-234, 259; 17:159-167,
 193-196; 18:22-30, 93-95, 239-240; 19:49-50, 193-194;
 20:118-125, 126-136, 154-161; 21:87-92, 107-108, 113-
 120, 185-192; 22:179-187; 23:101-103, 143-144, 187;
 26:3-22, 207; 28:203-208; 29:7-12, 33-35, 104-105, 207-
 211; 30:29-32, 188, 229-232; 31:137-142, S1, S2, S15;
 33(1):S35-S36; 35:110-121
 damage, thermodynamic analysis 29:89-94
 deposition velocity 18:208-211; 19:124-131 (cn 187)
 fumigation/inhalation 1:34-36; 2:33-36, 76-84; 3:40-41
 160-161, 192-200; 4:25-29; 5:67-72, 145-163; 6:151-154,
 179-181, 203-215; 8:47-50 (cn 120); 9:63-70; 10:157-
 164; 11:89-99; 12:33-38; 13:122-129; 15:149-156, 157-
 161; 16:162-168; 17:119-123, 124-131; 18:15-22, 157-
 162; 19:71-77; 20:137-141; 21:5-12, 25:115-122, 26:23-
 32; 29:7-12; 30:242-243; 31:S8; 32:153-161, 261-262;
 33:27-32, (1)S22, S22-S23, 159-167, 174-181; 34:95-102
 occupational 2:13-24; 3:61-65; 4:101, 149-150
 6:138-142; 7:226-227; 8:177; 9:165, 215-216; 12:18-27,
 48-49; 14:44, 75-86, 172-181; 16:72-82; 17:159-167;

- Airborne fluoride, occupational cont'd*..... 18:46-53, 173
19:49-50, 80-86; 20:118-125; 22:85-89, 157-164; 23:129-
136; 24:62-65; 26:78, 140; 27:52-53; 28:40, 224; 29:255;
30:61-63; 31:137-142, S15; 33:92-93, 95, 196-204; 34:192;
35:22-27
- Airborne F⁻ pollution and health, book review..... 12:109-110
- Airway inflammatory response, HF..... 32:261-262
- Akwesasne Reserve, native children, F⁻ effects 20:93-94
- Alaska 27:32-36, 163-164
- Alberta, Canada 22:98, 150-151; 23:191-192; 26:287
- Albino
rabbits..... 18:146-149; 22:33-39; 34:34-42, 43-50
35:28-37, 38-50
rats 34:108-113, 132-138; 35:12-21, 197-203
- Albumin 2:135 (cn 235); 5:46-48; 11:25-28; 13:20-24
70-75; 18:227
- Aldosterone..... 13:4-9, 148-151
- Alendronate and bones..... 28:160; 29:108-109; 30:190
- AIF molecular absorption spectrometry..... 17:27-35
19:184-187; 22:20-24
- Algae, F⁻ uptake and tolerance, review..... 33:55-65
- Algeria skeletal fluorosis 11:101-103; 15:43-47; 17:35-41
- Alizarin complexane..... 22:66-71
- Alkaline phosphatase..... 2:209; 3:209; 4:114-128; 5:213-219
7:36-45, 109-110; 8:118-119; 10:76-82 (cn 148); 14:42-43;
15:137-143; 21:48-49, 131-136; 22:10-19; 23:98-99;
34:211-212, 214-215
experimental..... 2:49-54; 5:25-26, 27-28, 29-31
9:42-46; 11:101-103, 106-107, 157-159; 12:144-154;
13:129-138; 14:101, 132-141; 15:214-221; 16:214-219;
17:81-93, 143-144, 144; 19:36-37; 20:41-42, 96; 21:131-
136, 149-158; 22:128-130; 23:37-42, 68-79, 98-99;
24:129-130; 25:123-128; 26:71, 74, 150; 27:120-121;
28:21-24, 166; 30:51-58; 32:105; 33(1):S22, S4-S5;
34:126-131; 35:247-248
in skeletal fluorosis..... 1:76-85, 86-93, 113-116; 2:142-152
4:64-79; 5:115-125; 6:143-151; 7:200-208, 208-219;
8:12-24, 112-113; 11:115-119, 120-124, 211; 13:17-19;
- Alkaline phosphatase cont'd*
in skeletal fluorosis 14:61-68; 16:83-90; 17:55-56
18:117-119; 20:189-190; 23:147; 25:65-70; 34:202-203
review 31:177-182
- Allergen sensitization, infants 32:256
- Allergy
and hypersensitivity 26:267-273
vs Intolerance 9:36-41. *See also F⁻ intolerance*
- Alligators 35:259-260
- Allium cepa* (onion) chlorophyll..... 20:177-182
- Alluvial
plains, India 22:119-127; 25:135-142; 29:166-174
soil, F⁻ mobility 33(1):S33
- Alopecia 4:85-88
- Alpha-subunit 26:234-235
- Alpha-tocopherol *See Vitamin E*
- Altitude 20:48; 32:118-119
- Aluminium *See Aluminum*
- Aluminofluoride complexes..... 32:230-242; 33:46, 143-144
34:276, 277-278, 279; 35:56, 64-65, 65, 244
- Aluminum (Al³⁺)..... 30:142-146, 274; 33:97-98; 35:56, 244
and fluoride-calcium interaction..... 23:186; 26:147
anode..... 20:54-63
chloride 33(1):S8, S28-S29, 97-98; 34:9-20, 21-33
207-208
content, antacids 13:80
electrodes, defluoridation 31:227
fluoride (AlF₃)..... 26:153; 27:232; 31:91-95, 96-99
32:101-102, 261; 33:143-144, 226-227, 227-228, 228-
229, 229; 35:140, 208-209, 244-245
-fluoride complexes 25:198-199; 29:56; 32:230-242
-fluoride interaction 11:18-24; 12:105-106; 25:199-200
26:147; 28:37-38, 156, 189-192; 29:101, 111, 179, 184;
30:85-88 (cn 194); 31:91-95, 96-99, S31, 226; 32:106,
230-242; 34:195; 35:73-77, 209-210
hydroxide 14:95, 141
in water 26:75
- Aluminum industry
emissions and/or biological effects..... 1:123; 2:25-27
28-32, 33-36, 37-39, 49-54; 3:18-21, 42-43; 4:85-88, 89-
92; 5:14-17, 89-91; 6:127-137; 7:88-93; 8:182-191;
10:14-21, 73-76, 89; 11:38-39, 129-134, 135-141, 198-
207, 211; 12:9-17, 129-135; 13:105-117, 171-172; 14:97;
15:21-25; 16:83-90, 175-180; 17:159-167; 18:46-53;
20:93-94, 118-125; 21:107-108, 113-120, 142-148, 210;
23:187; 25:183-190; 28:223; 29:177-178, 178-179, 185,
241-251; 30:188, 240, 241, 242, 244; 31:137-142, 224,
225; 32:256; 33(1):S19-S20; 34:192; 35:110-121
- waste
analysis 19:10-13; 23:35-36
fluoride absorption in rats 12:107-108
treating fluoride pollution..... 23:35-36
- worker *See also Occupational F⁻*
compensation analysis 21:177-184
health effects 4:149-150; 6:122, 138-142, 168-169
7:62-63, 168-169; 8:177; 9:165; 10:125-136; 11:46-50,
51-55, 107-108; 12:18-27, 91-99, 103-104, 214-215;
14:61-68; 16:5-10; 17:114-118, 148-154; 18:46-53,
122-123, 240; 19:49-50, 80-86; 20:44, 118-125; 22:157-
164; 23:47; 24:71-75, 95-99; 26:140, 229; 28:114, 223;
29:255; 30:186-187; 31:225-226; 32:259-260, 260;
33:46-47, S31-S32
health survey..... 24:62-65, 66-70, 90-94, 95-99
urinary F⁻ 9:215-216; 17:200; 22:85-89; 24:62-65
28:40, 224; 33:95
- Aluminum
-lumogallion complex 35:64-65
masking agents, F⁻ determination..... 22:66-71
smelter/potroom workers *See Aluminum industry worker*
speciation..... 35:64-65, 65, 110-121
sulphate 1:49; 2:55-59; 5:74-81; 12:105-106; 18:187-197
21:193-200; 23:68-79; 25:199-200
tetrafluoride ion (AlF₄⁻) 23:182; 35:208-209
toxicity, F⁻ influence ... 28:37-38; 29:179; 30:85-88 (cn 194)
32:215-229; 34:9-20, 207-208

- Alveolar bone
 fluoride and RSI..... 19:188-189; 21:161-162
 loss, prehistoric..... 22:141
 necrosis, cattle..... 17:199-200
 turnover..... 18:96-104
 height..... 35:247-248
 macrophages, rats..... 29:104; 32:262-263
 Alzheimer's disease..... 29:101; 31:91-95; 35:56, 73-77
 Amalgam fluoride diffusion..... 10:174-186
 Ambient fluoride (immission)..... 18:208-211; 20:126-136
 21:185-192; 22:179-187
 Ameloblast
 disturbances..... 22:148; 28:167; 30:66
 modulation..... 20:45; 27:120
 ultrastructure..... 20:97-98
 Amelogenesis..... 24:118; 27:120; 28:166; 30:246
 Amelogenins..... 29:118
 Ames test..... 19:45
 Amine fluoride..... 7:57-58; 22:152-153; 23:148; 27:113
 28:172; 35:249-250
 Amino acids..... 15:177-190; 25:155-158; 29:217-226
 31:143-148; 32:162-170
 Aminolevulinic acid..... 7:69-77
 Aminotransferases, F⁻ and Hg..... 19:78-79
 Ammonium
 fluoride (NH₄F)..... 15:50; 27:201-204; 33:27-32
 (1)S17; 35:161-167
 perfluorooctanoate..... 21:107
 silicofluoride, pottery..... 3:61-65
 Amnion cell growth..... 3:162
 Amniotic fluid F⁻ content..... 21:103
 AMP-aminohydrolase, rats..... 16:252
 Amsterdam, Holland..... 23:191
 Amygdala..... 35:12-21
 β-Amyloid..... 31:91-95, 96-99
 Anabolic therapy, osteoporosis..... 30:119-121, 189
 Anaesthesia..... *See Anesthetics and F⁻*
 Analysis..... *See F⁻ determination*
 Anderson, AC obituary..... 33:105-106
 Andhra Pradesh, India..... 1:76-85; 2:200-205; 3:91-96, 208
 5:21-24; 9:185-200; 15:81-87; 18:66-67, 198-203; 20:189-
 190; 23:147; 26:177-180; 27:93-96
 Androgen-dependent enzymes..... 35:153-160
 Androgen levels..... 27:7-12
 Anemia..... 4:154-166; 5:33-35; 12:100-102; 14:38-41
 16:187; 25:23-36
 Anesthetic
 abuse, subacute fluorosis..... 12:49-51
 defluorination..... 13:144, 181; 16:67, 253-254
 19:104; 28:225-226
 metabolism..... 3:144; 19:33, 104; 24:124; 28:225-226
 30:70; 32:96
 metabolites, toxicity..... 5:106-110; 6:41-48; 15:163
 toxicity..... *See Kidney effects/Hepatotoxicity*
 Anesthetics,
 enflurane..... 6:41-48; 11:40-41; 12:165-166; 13:89; 14:181
 16:67; 18:68-69; 19:104, 190-191; 24:124; 28:226-227;
 30:70; 32:96
 halothane..... 5:103-105, 106-110; 6:41-48, 121-122
 12:165-166; 13:85; 18:68-69; 19:33, 190-191; 20:95;
 26:284; 30:69; 32:97-98
 isoflurane..... 19:104; 24:124; 29:45-46; 30:70, 129
 32:96, 104-105
 methoxyflurane..... 4:1-4, 37-38, 38-39; 5:98-99, 103-105
 164, 165; 6:41-48, 121-122, 7:93-105, 169-172; 8:241;
 12:3-4, 49-51, 165-166; 13:143, 144; 16:253-254;
 28:225-226, 226-227; 30:70; 32:96; 35:207
 sevoflurane..... 26:284; 27:117-118; 28:225-226, 226-227
 29:45-46, 105; 30:129; 32:96; 34:271-272; 35:62
 synthane..... 13:144
 Aneuploidy frequency..... 35:251
 Angiotensin..... 13:4-9, 148-151
 Anglesey, North Wales..... 21:210, 211; 22:53-58
 Anion antibacterial system..... 18:175
 Ankle joint, osteoid growth..... 27:23-31
 Ankylosing spondylitis, diagnostic test..... 22:142-143, 144
 Antarctica snow fluoride..... 32:115
 Anterior
 horn cells..... 9:30-32; 20:28-29
 pituitary..... 30:173-178
 Anthropogenic impact..... 32:67-70, 113-114
 Anthropometric features, children..... 21:87-92
 Anticholinesterases..... 30:251
 Antidote to fluoride..... *See F⁻ toxicity antidotes/Fluorosis*
 Antigo, Wisconsin..... 7:52-57
 Antioxidant system..... 35:209
 Antioxidants..... 34:103-107, 108-113, 208-209; 35:197-203
 Antioxidative enzymes..... 32:243-247; 33(1):S13-14
 (3)S6; 34:82-83
 Anti-resorptive
 drugs..... 26:285, 286
 therapy..... 30:119-121
 Antler structure/mineralization density..... 33:93-94
 Antlers, F⁻ bioindicator..... 30:243-244; 33:92, 93-94, 146
 35:65-66
 Ants, F⁻ pollution effects..... 31:51
 Antwerp, Belgium..... 7:167
 Aortic myocytes, Ca²⁺ mobilization..... 23:184-185
 Aortosclerosis, skeletal fluorosis..... 24:121
 Apatite..... 26:71; 30:207-218
 Apatite-crystal..... 32:96-97
 Apo-α-lactalbumin, F⁻ binding..... 27:145-150
 Apophyllite, defluoridation..... 27:81-88
 Apoptosis..... 29:104; 33(1):S25-S26; 34:165-173, 205
 258-263; 35:256-257
 rat hepatocyte..... 33(1):S14-S15; 34:82
 Appendicular skeleton..... 34:236-241
 Aqueous
 fixation..... 26:71
 fluoride solvation..... 29:106
 solution analysis, carbon effect..... 26:33-36
 solution, hydrogen bonds..... 32:99-100
 Arabian Gulf, prehistoric fluorosis..... 33:42-43

- Archeological excavations, F⁻ in bone/soil 31:S19
- Argentina,
 cattle fluorosis 28:162
 salt-affected soils 12:28-32; 16:247-251
 17:266-267; 18:36-40; 19:14-18
- Aromatic fluorides, structure/toxicity 19:117-121
- Arsenic 26:75; 29:156-162; 34:194
 fluoride toxicity 30:29-32, 81-84 (cn 194)
 32:243-247; 34:206, 206-207, 210-211; 35:133, 250
 trioxide toxicity 35:251
- Arterial calcification 9:24-28; 11:41-42, 14:51-55
 99-101; 17:4-8
- Arteries, contractile reactivity/response 13:167; 24:121
 29:182; 34:277-278
- Arteriosclerotic aortas 31:S29
- Arthritis *See F⁻ and arthritis/Osteoarthritis/Rheumatoid*
- Arthrofluorosis 1:56-64; 28:39; 30:113-114; 31:S17
 35:248-249
- Arthropods, F⁻ bioindicator 31:51
- Artificial
 caries lesion 18:179-180; 26:290, 291
 fluoridation *See Fluoridation*
- Arussi Province, Ethiopia 12:164
- Aryl hydrocarbon hydroxylase 21:5-12
- Ascorbic acid *See Vitamin C*
- Aso Volcano Disease 4:154-166, 172-175, 175-177
 177-178, 204-209; 5:31-33
- Asthma 18:240; 26:229; 28:114, 223; 31:223-224
- Atheromatous plaques 33(3):S2; 34:210, 217, 35:262
- Atherosclerosis 19:39
- Atlantic salmon (*salmo salar*), Al and F⁻ 29:179
- Atmospheric erosion, vapour-phase F⁻ 29:89-94
- Atmospheric fluoride *See Airborne F⁻*
- Atomic bomb 30:205-206, 261-266
- ATPase 13:148-151; 18:72-79; 22:78-85; 23:5-19; 27:58
 117; 32:103; 33:143-144, 144-145
 and cortisol 19:36-37
- ATPase activity, pine needles 30:242-243
- Auckland, New Zealand... 17:234-242 (cn 18:121); 19:98-100
 23:104-111, 111-118; 31:103-118 (cn 170)
- Australia 21:60-68; 31:232-234
 and Japan, fluorides/fluoridation 31:228
 dental caries and fluorosis 26:231-232; 35:205-206
 environmental fluoride 14:195; 23:187; 30:240; 31:51
- Austria environmental fluoride ... 4:97-98; 11:129-134; 30:241
- Auto-immune diseases 26:144
- Automatic Analyzer, F⁻ in air 10:12-13
- Autoradiography 29:72-76
- Axial skeleton 34:236-241
- Azalea (*Rhododendron*) 24:11-16
- Babies (preterm/term) plasma F⁻ 26:111-114
- Bacterial
 glycolysis *See Glycolysis*
 metabolism 19:93
- Bactericidal activity, fluorides 7:57-58; 10:89-91; 15:53
 28:54
- Bahrain, Arabian Gulf, prehistoric fluorosis 33:42-43
- Balb C mice 35:231-238
- Banaskantha, Gujarat, India 29:63-71
- Bangladesh water fluoride 35:176-184, 262
- Bank vole (*Clethrionomys glareolus*) 29:183-184
- Baotou, China 25:123-128; 27:136-140, 214; 28:131-134
 35:51-55 (cn 142)
- Barley (*Hordeum vulgare*) 25:115-122, 175-182; 28:229
- Barnacles (*Balanus amphitrite*), F⁻ bioindicator ... 14:102-107
- Basel, Switzerland, fluoridation 33:S20-S21
- Basic protein 27:155-159
- Battelle Laboratories, NTP study 24:85-89
- Bazhi, Guizhou Province, China 30:29-32
- Bean leaves, electrolyte leakage 12:155-162
- Beat arrest rate, myocardial cells 31:26-32
- Behavior 31:223-224
- Behavioral effects 28:151-152; 31:S23
 AlF₃ 27:232
- Beijing, China, ISFR Conference report ... 27:183-184; 28:1-2
- Belgium
 fluoride supplement ban 35:212
 dental fluorosis 12:109-110; 35:138
 environmental fluoride . 2:62-70; 7:167; 12:109-110; 28:116
- Bellingham, WA, USA,
 fluoridation resolution 30:260
 ISFR Conference report 31:175-176; 32:2-6
- Bent (*Agrostis capillaris*) 30:244
- Benzene
 hexachloride (BHC) and F⁻ toxicity 30:105-109
 metabolism 17:206
- Benzo[a]pyrene 18:70; 21:5-12
- 3,4-Benzopyrene 2:189-190
- Beryllium 27:117
 trifluoride 23:182
- Beta-subunit 26:234-235
- Biliary cirrhosis 26:73; 30:245-246
- Billings, Montana, F⁻ emissions 10:47-62
- Bindapur, India 12:72-75; 13:25-30
- Binding region 26:234-235
- Biological
 effects, experimental fluoridation 31:100-101
 fluids, F⁻ determination 15:87-96
 monitoring *See Environmental F⁻/Occupational F⁻*
 samples (trace), F⁻ determination 26:205
- Biomass of vegetation 22:179-187; 29:241-251; 31:S4
- Biomechanics *See Bone mechanical properties*
- Biophosphonates, anti-resorptive agent 30:119-121
 189, 190
- Biorhythm analysis, F⁻ metabolism 33(1):S12-S13
 34:250-257
- Birefringence 23:27-30, 171-174
- Birth
 rates 27:231
 weight and fluorosis 34:73-74
- Bisphosphonates 31:S19; 32:122
- Black-tailed deer (*Odocoileus hemionus columbianus*) 12:129-135

- Bladder
 cancer *See Cancer*
 stones in rats 16:190-191
- Blast-furnace gas sludge, F⁻ content 22:131-132
- Blastogenesis 19:42; 27:3-6
- Blaszki, Poland 15:70-75
- Blood
 biochemical constituents 22:112-118; 25:23-36
 27:136-140; 30:157-164; 34:126-131
 brain barrier 19:108-112
 cell counts, mice 22:165-168
 chemistry, occupational 24:66-70
 clotting, Chizzola maculae 10:29-33
 coagulation 12:136-143
 eosinophils 29:104-105
 fluoride
 and erythrocytes 19:26-32
 content *See F⁻ in blood*
 ionic and non-ionic 27:167
 glucose 13:70-75; 14:115-118; 15:214-221; 23:92-97
 30:157-164; 31:33-42
 oxygenation 6:71-72, 84-93, 94-100
 platelet
 activation 9:173-184; 16:129, 152-161; 26:229, 230
 function 2:181-182, 241-242
 function/metabolism, review 9:173-184
 secretion 16:132, 152-161
 platelets 5:33-35; 10:29-33; 12:136-143
 sugar 29:217-226
 vessel contractions 33:97-98
- Boars (*Sus scrofa*) 33(1):S36-S37, 146-147
- Body weight and NaF,
 lambs 17:107-114; 30:165-172
 mice 22:145-146, 165-168; 29:217-226; 33:17-26
 34:165-173, 242-249
 rats 4:154-166, 190-193; 10:92-93; 17:183-192; 18:229-
 230; 19:117-121; 22:112-118; 26:45-56; 29:156-162;
 30:51-58, 105-109; 31:33-42; 33(1):S2, 79-84; 34:184-
 185
- Body weight-tissue weight ratio, chickens 11:60-67
- Boehmite, F⁻ adsorbent 34:195-196
- Bone *See also Fluoridation and bones/F⁻ and bones*
 and articular cartilage, osteofluorosis 26:209; 29:180
 30:113-114; 31:S17
 biopsy (alveolar) 19:188-189
 brachyphalangy 4:175-177, 177-178
 calcification 34:204-205
 cancer *See Cancer*
 cell cultures and F⁻ 17:143-144; 21:149-158; 23:98-99
 25:200; 26:71, 150, 152; 27:110-111, 116-117, 118, 118-
 119, 120-121, 230; 28:108, 150, 158; 29:41, 111
 cells, ion transport activity 19:36-37
 cells, mitogenic action 35:208-209
 char defluoridation 27:108-109; 28:115-116; 29:212-216
 30:207-218
 chemistry 4:109-113; 6:118-119; 8:163-172
 10:76-82 (cn 148); 12:144-154
 skeletal fluorosis 2:142-152; 6:143-151; 7:200-208
 8:112-113; 15:25-31
 citrate 2:106-115; 8:112-113; 14:44-45
 collagen 6:251-252; 8:112-113; 15:177-190; 21:28-31
 23:171-174; 33(1):S25, (3)S6-S7
 copper-iron content 14:107-112
 cortical index 11:46-50, 51-55; 12:91-99; 16:33-37
 18:187-197
 crystals and phosphate 26:73
 damage 32:27-32; 35:245-246
 deformities, genu valgum 33:187-195
 densitometry 26:208; 28:203-208, 220-221
 density 3:163, 204-207; 5:182-198; 14:44-45, 154
 19:41-42; 22:151-152; 24:47-48, 50; 25:201; 26:154;
 28:155; 29:107; 32:124-125; 33(1):S34; 34:197
 index 17:148-154
 skeletal fluorosis 8:12-24; 11:37; 15:107-108; 16:83-90
 17:148-154; 19:80-86; 28:203-208
 trabecular 26:285; 28:45
- development in hands 4:175-177, 177-178, 179
- Bone cont'd*
 epiphyseal
 cartilage 4:154-166, 180-183, 183-188, 188-190
 190-193; 5:25-26, 27-28; 16:106-111; 24:17-22
 growth plate 23:154-163
 exostoses 1:76-85; 6:4-17, 251-252; 10:125-136
 14:51-55; 23:141
 fissures, osteoporosis treatment 16:188; 19:38-39
- Bone fluoride and
 age 9:73-90, 218, 218-219; 13:100-104; 14:56-61
 15:137-143; 17:124-131, 202, 246-251; 22:29-32; 26:233;
 27:173; 28:45, 157-158, 158, 221; 29:39, 131-134;
 30:186; 34:227-235
 aluminum uptake 28:39, 156
 aorta fluoride 17:246-251
 bone
 ash 22:195-203; 28:219
 mass, skeletal fragility 25:201
 minerals 27:151-154; 33(1):S22
 phosphate 18:216-220; 33(3):S6-S7
 diabetes 31:33-42
 fetal bone pathology 28:219
 fluoride exposure-time 22:10-19, 195-203
 hair fluoride 33(1):S22-S23, 174-181
 physical load of bones 24:100-102
 serum F⁻ 4:114-128; 17:183-192; 30:64; 33(1):S26-S27
 35:90-103
- Bone fluoride and strontium 26:204
- Bone fluoride
 distribution 3:167-174; 8:92-97, 182-191
 9:73-90; 10:76-82 (cn 148); 14:10-13, 192, 192-193;
 15:173-177; 17:23-26, 107-114; 21:193-200; 23:27-30,
 68-79; 24:100-102; 25:23-36; 26:61-65, 233; 31:33-42,
 S10; 33(3):S3
 microfracture calluses 26:150-151
 rat bone 26:143; 27:169; 33(1):S15-S16
 elimination 16:162-168

Bone fluoride in

- animals 5:58-65; 8:56-57, 125-133; 9:73-90; 12:100-102
13:57-64; 14:169-171, 192, 192-193; 16:214-219; 18:227;
20:101-103; 22:10-19, 29-32; 26:77; 28:162, 221
experimental 2:13-24, 33-36, 49-54, 106-115, 214-221
3:49-53, 167-174, 188-191, 210; 4:109-113; 6:151-154,
181-183; 8:163-172; 9:167-168; 10:147; 11:4-13 (cn
155), 157-159; 12:144-154; 13:30-38; 14:56-61; 15:97-
104, 173-177; 16:37-43, 131, 162-168; 17:107-114,
124-131, 183-192; 18:135-140, 169, 187-197, 216-220,
229-230, 237; 19:41-42, 192, 196; 20:46; 21:60-68,
193-200; 22:42, 174-178; 23:27-30; 24:85-89, 123, 127;
25:129-134, 197, 203, 204; 26:212; 27:169; 29:108,
156-162; 31:33-42, S8; 32:47-54, 153-161; 33:33-38,
(1)S2-S3, S13, S22, S22-S23, S26-S27, (3)S3, S6-S7;
34:95-102, 197; 35:248-249
industrial exposure 1:41-49; 2:28-32, 55-59
7:7-31, 111-112; 8:92-97, 182-191; 9:47-53, 73-90;
10:47-62, 76-82 (cn 148); 11:198-207; 12:102-103,
129-135; 13:145-147, 171-172; 14:97, 194, 195; 15:56-
63 (cn 223); 21:210; 22:29-32; 25:23-36; 27:136-140;
28:131-134; 29:177, 177-178, 178-179; 30:243-244;
32:114-115; 33:145, 146, 146-147; 34:197-198
humans 1:15-20; 4:109-113; 5:172-181, 227-229
229-231; 10:22-27, 187; 12:49-51, 195-208, 211; 14:1-3,
144; 16:193; 17:202, 246-251; 19:18-22, 22-25, 155-156,
188-189, 197; 20:151-153; 21:161-162; 23:181-182, 185-
186; 24:100-102; 27:151-154, 173; 32:7-13; 33(3):S2,
S2-S3; 34:152, 227-235; 35:245-246
fluorosis 1:54-55; 5:64-65, 65-75, 86-93, 117-118; 2:142-
152; 3:106; 4:64-79; 5:182-198; 7:62-63, 200-208; 8:61-
83, 112-113; 9:30-32, 127-137; 11:29-32; 12:103-104;
15:25-31, 107-108; 16:83-90; 17:23-26; 33:42-43
iliac crest 2:142-152; 4:114-128; 5:115-125, 182-198
7:168-169; 8:61-83; 9:127-137, 218, 218-219; 12:106;
13:100-104; 14:10-13, 144; 15:54-56; 18:187-197; 19:22-
25, 149-150; 20:36-37; 22:10-19, 195-203; 26:150-151;

27:229; 28:157, 222; 34:213

Bone

- fluoride uptake 26:149; 28:220
fluorosis, undetermined origin 23:181-182
formation 5:227-229; 7:58-59; 17:143-144
18:96-104; 21:76-81; 22:151-152; 25:199-200, 200, 201,
204; 26:152; 27:53; 28:159; 35:246-247
fractures and fluoride 4:114-128; 5:166-167; 10:82-86
14:172-181; 17:139; 26:150-151; 29:109; 31:221; 32:123-
124; 34:139-149, 151-152, 155; 35:245-246. *See also*
Fluoridation/Osteoporotic fractures/Water F⁻
fractures and risk factors 31:221
fragility 25:1-4, 93; 26:234; 28:42-43
glycosaminoglycan 15:191-198; 18:229-230; 23:27-30
growth, experimental fluorosis 4:154-166, 180-183
183-188, 190-193; 5:27-28; 18:128
histology 4:114-128; 5:229-231; 8:118-119; 14:46
19:18-22; 25:200; 26:226-227
bovine fluorosis 7:111-112; 19:61-64
experimental fluorosis 3:167-174; 4:154-166, 190-193
5:182-198; 8:163-172; 9:213-214; 11:157-159, 159-161;
16:169-174, 174; 18:128, 135-140, 187-197, 203-207;
19:152; 20:28-29, 104-108; 21:28-31, 32-38, 76-81;
23:27-30, 171-174; 24:17-22; 26:72, 105-110; 30:113-
114
osteoporosis ... 3:209; 5:182-198; 14:101; 26:71, 150-151
skeletal fluorosis 1:65-75, 86-93; 2:142-152; 3:208
4:42-43; 5:86-88, 115-125, 182-198; 6:143-151; 7:200-
208, 208-219; 8:61-83, 112-113; 9:91-98, 127-137;
10:91-92 (cn 190); 12:103-104, 211; 15:54-56; 16:83-
90, 209-213; 19:18-22; 22:195-203; 30:85-88 (cn 194)
Bone
histomorphometry,
animals 16:33-37; 18:187-197; 19:41-42; 22:112-118
23:154-163; 24:129-130; 25:201, 203, 204; 28:157-158,
160, 29:39; 30:190
iliac crest 19:149-150; 20:36-37
osteoporosis 19:38-39; 28:156, 222

skeletal fluorosis 18:69-70; 23:185-186

Bone cont'd

- marrow 25:159-160
cell morphology 15:119-123; 35:231-238
cells 15:110-118; 24:45-46; 27:110-111, 116-117
28:114, 150, 158; 33(1):S25-S26, S27; 34:258-263;
35:81-89
changes, fluorosis 4:154-166; 5:37-38; 16:106-111
giant cells 5:54-55
mass 14:14-21; 20:36; 24:17-22; 26:71, 72, 74
27:173; 28:47, 219; 29:38, 108; 30:65, 113-114, 119-121,
189, 245; 32:47-54; 34:209-210
meal 9:98-104; 17:131-138; 18:237
mechanical properties 3:204-207; 6:118-119; 8:61-83
163-172; 11:37; 16:193; 25:201; 26:154; 27:53, 173, 229,
229-230; 28:44-45, 45, 46, 157, 160, 219; 29:39, 108,
108-109; 30:119-121, 189, 245; 32:47-54; 34:95-102,
236-241; 35:247
metabolism 2:106-115; 7:36-45; 9:213-214; 33:224-225
34:95-102, 214-215; 35:247-248
microhardness 32:125-126; 33(1):S2-S3; 35:247
mineral
content 4:109-113, 114-128; 7:58-59; 9:213-214
12:18-27, 103-104; 14:14-21, 144; 17:202; 18:187-197;
19:38-39; 22:29-32; 25:50; 26:151; 27:151-154, 161,
172-173; 28:221; 32:103-104; 33:S15, (3)S2-S3
crystals 26:73; 32:125-126
density 17:202; 26:141, 221; 29:112; 30:64; 65
186; 31:149, S10, S15, S16, S20, S21, S22; 32:7-13,
91-95, 123-124, 259-260; 33(1):S22; 34:95-102, 151-
152, 227-235
osteoporosis 24:129; 25:45; 26:73, 74, 208, 222
27:167-168; 28:42-43, 109, 155; 33(1):S15-S16;
34:71-72
mineral mass 3:163; 33(1):S2
mineralization 16:169-174, 193; 17:143-144
18:96-104, 216-220; 25:197; 28:42-43, 156; 30:190, 243-
244, 245; 32:125-126; 34:279-280

- osteogenesis in vitro.....26:71; 27:118-119
- Bone cont'd*
- morphology
- experimental fluorosis3:175-181; 8:163-172
9:47-53; 15:191-198; 16:23-33, 33-37; 23:37-42, 68-79;
25:123-128; 34:81
- industrial fluorosis..... 12:129-135; 18:235-236
29:178-179
- osteoporosis 3:211; 5:182-198
- skeletal fluorosis9:91-98; 11:46-50, 51-55
- osteoblast proliferation and/or differentiation 17:143-144
21:149-158; 23:98-99; 25:199-200; 26:150, 152; 27:120-
121, 230; 29:41, 111; 32:100-101, 105; 34:279-280
- osteoblastic activity 22:128-130, 151-152; 23:185-186
188; 25:200, 203, 204
- osteoid
- nodules 27:118-119
- structure..... 19:149-150; 22:151-152; 23:185-186; 28:222
and biochemistry 15:191-198; 25:203
- turnover and mineralization ... 15:137-143; 25:204; 27:118
- osteomas, confounded study 28:108-109
- pathology, fluorosis 1:56-64; 8:61-83; 12:195-208
32:114-115
- polysaccharides, capsular/intercapsular orientation . 26:209
- porosity 16:193
- pyrophosphatase.....3:103-105; 7:58-59
- quality 26:232; 27:173, 229; 28:45, 157, 219
30:113-114, 186
- remodeling.....3:209; 19:197; 23:154-163; 25:203; 26:146
- research advanced, skeletal fluorosis 17:1-3
- resorption 3:106-107; 16:23-33; 20:151-153; 21:76-81
22:146, 151-152; 26:72; 28:157-158; 31:177-182
34:214-215
- strength . 7:58-59; 8:163-172; 14:144; 16:131, 193; 17:202
18:135-140; 27:229; 28:160, 222; 29:39, 108; 30:119-
121, 189, 245; 32:47-54, 123-124; 34:236-241; 35:247
- structure 3:209; 10:125-136; 16:169-174
- assessment 24:71-75; 26:37-44; 30:186-187
- Bone cont'd*
- trace elements 3:49-53; 15:25-31; 16:187; 17:202
23:37-42; 32:153-161
- turnover 22:146; 30:245; 34:211-212
- velocity, ultrasonic data 26:232; 28:44-45
- weight, long bones 18:203-207; 20:104-108
- width 12:18-27, 91-99
- Borax antidote, fluorosis 16:33-37; 20:24-27
- Bore well depths, fluorosis control 17:48-52
- Borehole fluoride content 18:4-11; 25:111-114; 27:93-96
28:17-20; 30:19-25 (cn 140); 33:66-73 (cn 148)
- Boron 11:157-159, 159-161; 12:136-143, 172-176
13:30-38, 96-99, 129-138; 14:21-29; 15:75-78; 26:143;
30:165-172; 34:189-190
- action on bone 18:187-197; 23:68-79
and fluoride damage.....2:222-228, 229-235
- Bottled
- drinks 32:41. *See also Fluoride in water/fruitjuices/soft
drinks/mineral water*
- water fluoride in
- Canada 26:75
- Great Britain..... 28:112
- Saudi Arabia 32:113
- Bovine
- bone extract, cell proliferation 23:98-99
- enamel matrix, F⁻ binding 23:100
- fluorosis *See Cattle fluorosis*
- mitochondrial F(1)-ATPase structure 33:143-144
- photoreceptors..... 20:97
- Brain..... 26:233; 33:46, (1)S14-S15; 34:82
- aluminum content, rats 27:232; 31:91-95, 96-99
and organofluoride..... 3:131-133, 133-136; 6:203-215
- biochemical changes 27:155-159
- enzyme activity 33:17-26 (1)S8; 34:84, 108-113
- fluoride accumulation 28:151-152; 33:17-26
- fluoride penetration..... 19:108-112
- function and fluoride, review..... 27:164
- histology..... 31:91-95, 96-99; 34:165-173; 35:12-21
- Brain cont'd*
- lipid metabolism..... 25:77-84
- membrane lipids, rats 32:33-34
- nitric oxide synthase, rats 34:84
- phosphoinositide cycle, rats 25:196
- synaptic structure (learning-memory) 35:132
- ultrastructural studies, mice 35:204
- Brantford, Ontario, Canada 3:71-79 (cn 203)
- Brassica juncea*..... 18:15-22
- Brazil
- dental caries 33:86-87, 141-142
- dental fluorosis 32:37-38, 128; 33:86-87
- environmental fluoride 19:61-64; 29:179
- fluoride intake 35:63-64
- Breast milk
- fluoride content *See F⁻ in milk (maternal)*
- trace elements 15:81-87
- Brick tea 29:139-143; 32:109-110; 33(1):S17-S18, 205-209
223; 34:73, 190-191; 35:255. *See also Tea fluorosis*
- Brisbane, Australia, Taskforce on Fluoridation 31:232-234
- British Columbia, Canada 21:105; 27:220-226; 28:163
29:241-251; 35:141-142
- Bronchial
- effects 18:240
- responsiveness..... 28:114, 223; 29:104-105
- Bronchoalveolar lavage..... 32:261-262; 33:159-167
- Bronchodilation, halothane 32:97-98
- Brown
- mottling 29:135-138
- Trout (*Salmo trutta fario*) 24:76-83
- Brunner's gland 35:28-37
- Brush border enzymes 20:96
- Brushite
- and enamel solubility 27:166; 28:217
- defluoridation 27:108-109, 109
- Bučak Province, Ukraine 14:44-45
- Buccal cells 35:60

- Budapest, Hungary, ISFR Conference report 30:1-3
 Bull frog sartorius muscle 21:213
 Burke, D obituary 22:101-107
 Burns *See Hydrofluoric acid*
 Burozems (brown steppe soils) 32:67-70; 71-73
- ¹⁴C proline 15:177-190; 35:104-109
⁴⁵Ca uptake 6:118-119; 15:144-149; 18:96-104
 216-220; 19:98; 21:149-158; 28:108
 Ca hardness 23:35-36
 Ca²⁺ mobilization, aortic myocytes 23:184-185
 Cadmium 13:99; 26:75
 in human milk 21:100-101
 toxicity, F⁻ and vitamins 26:283-284
Caenorhabditis elegans 27:165
 Caffeine intake and F⁻ balance, rats 32:103-104
 Caimans 35:259-260
 Calcidiol and bone remodeling 26:146
 Calciotraumatic response 26:158-159
 Calcitonin 9:185-200; 11:115-119; 15:137-143; 18:111-117
 Calcitrol, osteoporosis treatment 23:139-140; 29:107
 Calcium 9:54; 26:237-239; 32:215-229; 33:227, 227-228
 34:82, 195; 35:141, 246-247. *See also F⁻ and calcium*
 absorption 2:190; 5:213-219; 12:213
 and
 ascorbic acid 27:67-75; 28:75-86
 fluoride
 in arteries 9:24-28
 with α -Lactalbumin 27:145-150
 with magnesium 7:112; 11:208
 phosphorus 2:190; 3:204-207; 11:166-170; 21:13-21
 22:147-148; 27:151-154
 platelets 9:173-184
 antagonists in exocytosis 17:72-80
 ATPase 27:117; 33:144-145
 balance 1:76-85; 2:142-152, 190; 4:64-79; 5:213-219
 6:4-17, 143-151; 7:109-110; 11:101-103; 13:30-38, 129-
 138; 17:53-54; 22:147-148; 27:234
- binding 27:58
Calcium cont'd
 carbonate 35:210-211
 citrate 29:38
 deficiency 29:107; 30:123; 33:187-195
 -dependent K⁺ channels 22:46-47
 deprivation 7:208-219; 8:163-172
 fluoride (CaF₂) 7:69-77; 8:176; 23:48; 26:155, 156, 290
 27:166, 171; 28:216; 29:49; 30:250-251; 31:244;
 33(3):S1; 35:59, 130
 gluconate, HF burns 3:200-203; 5:100; 7:60-61
 hydroxide defluoridation 27:108-109
 in
 bones 10:76-82 (cn 148); 12:144-154; 14:21-29
 17:143-144; 18:216-220; 22:29-32, 146; 33(1):S26-S27,
 (3)S6-S7; 34:197
 teeth 8:116-117; 19:169-172; 20:171-176; 26:211
 27:119; 28:166; 29:50; 33(3):S8; 34:217
 urine 11:106-107; 13:10-16; 17:131-138
 water 8:34-38; 14:69-74; 18:198-203; 19:39; 20:36
 25:50; 28:107
 infusion, fluorosis 11:166-170
 intake and fluorosis severity 17:14-22; 26:282
 ion influx 26:229
 kinetics 3:175-181
 lactate and caries 23:146
 loss and bed rest 17:53-54
 metabolism 5:213-219; 7:109-110; 13:42-43
 16:130-131; 18:216-220; 25:197
 oxalate in calculi 24:128
 phosphate precipitation 24:103-108
 phosphates 27:109, 110, 166; 28:217; 29:49, 212-216
 -phosphorus metabolism 13:30-38, 129-138; 15:75-78
 protease (calpain) 26:210-211
 pump 27:233
 sensitization and aluminum fluoride 26:147
 transport 26:158-159, 210-211
 Calcium uptake 8:208-223; 18:124-125; 21:149-158; 29:50
- Calciurea 15:157-161
 Calculogenesis, F⁻ and metals 18:124-125
 Calgary, Alberta hip fractures 26:287
 California Wines/Raisins, F⁻ content 30:142-146, 274
 Callus cultures 16:111-117
 Calves 26:105-110; 27:3-6; 34:126-131
 Cambridge structural data base 30:191
 Camel fluorosis, blood parameters 25:23-36
 Canada
 dental caries 3:71-79 (cn 203); 21:105; 22:150-151
 23:191-192; 28:116, 146-148; 34:74-75, 152-153
 dental fluorosis 28:116, 146-148, 163; 29:256; 32:258
 35:58
 environmental F⁻ 2:206-213; 5:172-181; 7:153-165
 20:93-94; 21:107-108; 23:101-103; 28:29-32
 fluoride recommendations 27:162-163
 hip fractures 26:287
 poplar, airborne F⁻ bioindicator 26:214
 Inorganic Fluoride review 28:29-32, 146-148
 Canadian Natives, F⁻ intake 10:137-141
 Cancellous
 bone, compressive strength 34:215-216
 236-241; 35:247
 liac bone 26:150-151
 Cancer
 and air pollution 2:189-190; 5:169-171, 172-181
 7:153-165; 10:95-101; 23:101-103
 bioassay evaluation, NTP 26:69-70
 bladder 29:101-102; 33:46-47
 gastrointestinal 34:199-200
 in
 cryolite workers 18:181-186; 26:144-145
 Japan, gastric 5:102
 ten U.S. cities 10:95-101, 102-123, 124-125
 17:63-71; 18:181-186; 22:101-107
 incidence
 bone 26:68, 69-70, 83-96
 USA 34:184; 199, 199-200, 200-201

- incidence/mortality..... 26:68, 83-96; 144-145; 33:46-47
- Cancer cont'd*
- joints..... 26:66
- lung..... 2:189-190; 5:169-171, 172-181; 7:153-165
18:181-186; 23:101-103, 190; 26:144-145; 31:225-226
- mortality... 2:189-190; 10:102-123; 18:181-186; 31:225-226
- oral..... 26:83-96; 33(1):S23-S24; 34:199-200
- osteosarcoma (bone cancer)..... 24:85-89; 26:66, 67, 68
69-70, 79-82, 83-96; 27:237; 29:237-240 (cn 30:74), 252
- promotion..... 31:S12
- respiratory..... 18:181-186; 26:144-145
- Capsular/intercapsular collagen orientation..... 23:171-174
30:113-114
- Carbohydrate metabolism..... 3:121-126; 6:253; 20:137-141
27:205-214; 29:217-226
- Carbon
- content of coal..... 29:77-78
- fluorine bond..... 4:1-4; 5:103-105, 106-110; 6:189-194
- fluorine compound synthesis..... 1:9-14
- treatment and F⁻ analysis..... 26:33-36
- Carbonate and fluoride..... 25:206; 26:73
- Carbonated apatites..... 17:263-264; 32:126
- physiochemical properties..... 19:65-70
- Carbonic
- acids..... 5:200-208; 10:5-12
- anhydrate..... 15:50
- Carboniferous limestones..... 15:56-63 (cn 223)
- Carcinogenesis, rat liver..... 10:42, 40, 43
- Carcinogenicity
- fluoride derivatives..... 2:85-90
- NaF..... 28:108-109
- Carcinoma
- cells..... 15:119-123
- of prostate..... 1:122
- Cardiac
- death and quinidine sulfate..... 22:46-47
- muscle..... 4:194-198; 21:32-38; 27:233
- toxicity, aerosols..... 4:41-42
- Cardiopulmonary hemodynamics, dogs..... 18:67-68
- Cardiovascular
- abnormalities, fluorosis..... 31:S22
- disease mortality..... 8:114-115
- Caries..... 27:50; 34:152-153, 269-270. *See also*
Fluoridation/Water F⁻, and countries (eg., China, India)
- a disorder of high F⁻ low Ca²⁺..... 27:59-66
- analysis of causes..... 27:238
- Caries and
- dietary factors..... 12:164; 26:125-134; 27:56-57, 59-66
29:126-127
- enamel F⁻..... 9:124-126, 163-164; 24:125; 29:48
33(3):S7, S8, S8-S9
- fluoride retention, toothbrushing..... 27:113
- factors affecting experience..... 22 141, 141-142
28:52-53, 53, 170; 32:119-120, 131-132
- mechanism of F⁻ action..... 2:116-119, 236-240
17:61-62; 18:179-180; 19:193, 195-196, 198; 26:155;
28:170, 216; 29:119; 32:111-112, 126; 35:59
- oral hygiene..... 28:52-53, 53; 29:122-123
32:119-120; 33:88, 141-142
- socioeconomic factors..... 19:98-100; 28:51, 118
29:123, 124, 126-127; 32:130-131, 131-132
- strontium..... 17:263-264; 18:65-66
- Caries and sugar..... 18:176-177; 26:125-134; 29:52, 53
32:131-132; 33:141-142
- Caries
- decline..... 20:51-53, 149, 171-176; 21:1-4, 105; 22:40-41
23:50, 104-111, 144-145; 24:126; 26:125-134; 27:37-44;
29:124; 30:116-117, 248; 31:54; 32:39, 255; 33:86-87,
140, 221-222; 34:76
- development in animals..... 19:132-137; 26:157
- diagnosis..... 26:125-134
- distribution (lesion type)..... 6:49-55, 57-63; 19:147-148
21:45-46, 160; 22:50
- DMF origins..... 23:111-118
- free teeth..... 8:55-56; 19:98-100; 22:92-93; 23:55-67
104-111; 24:126; 27:13-22, 56-57; 28:169; 29:123;
30:116-117, 192; 32:130-131; 34:185
- Caries cont'd*
- in
- deciduous teeth..... 19:102-103; 21:1-4; 23:55-67
26:125-134, 161-162; 29:123, 126-127; 30:192; 31:54;
32:131-132; 33:140; 34:150; 35:133-134
- first permanent molar and fluoridation..... 22:207
- root surfaces..... 25:94-95; 26:158; 27:108
- incidence.... 24:126; 26:162-163; 27:56-57; 28:53; 34:74-75
- increments,
- full-spectrum light..... 23:191-192
- topical F⁻..... 20:190; 22:44, 204; 23:146-147
24:125; 26:158; 28:172; 32:119-120; 35:58-59
- prevalence..... 16:69; 19:40, 147-148; 22:141, 141-142
150-151; 23:50; 24:127; 26:231-232; 27:56-57; 28:53,
118, 169; 30:129, 193; 31:219-220; 33:40-41, 86-87,
(1)S6, 141-142; 34:74-75, 76-77
- prevention... 27:56, 56-57, 113; 29:125; 33(1):S16; 34:272-
274; 35:249. *See also Dental health/F⁻ prophylactics*
 and dental fluorosis..... 25:206; 30:67; 32:112-113
- reduction..... *See Caries decline*
- restorative care and dentist supply..... 22:149
- risk assessment, review..... 32:131
- trends..... 18:176-177; 19:102-103, 147-148; 20:149; 21:1-4
105; 23:50, 144-145; 24:126; 26:125-134, 289; 28:53;
30:193; 32:33, 255; 34:76
- Cariogenic
- bacteria and F⁻..... 7:57-58; 9:120; 18:170-171, 175
19:93; 29:119
- diet and F⁻, rats..... 11:41-42; 19:132-137; 22:145; 26:157
- Cariostatic mechanisms of F⁻..... *See Caries and mechanism of*
fluoride action
- β-Carotene..... 31:S29; 34:208-209
- Carotid arteries..... 34:210
- Cartilage
- histology, rabbits..... 28:39
- morphology..... 35:90-103
- Cat study, osteoporosis..... 2:125-127

- Cataract
 changes 15:3
 incidence 24:40-43
 Catecholamines 29:217-226
 Cationic channels 26:153
 Cations 26:75-76 (cn 164); 35:140
Calla calla and F⁻ effluent 17:224-233; 18:104-110; 20:38
 Cats, F⁻ pharmacokinetics 25:197-198
 Cattle
 fluorosis 1:41-49, 50-53; 2:25-27, 55-59; 3:167-174
 175-181; 4:147-148; 7:111-112, 135-142; 8:56-57; 10:76-
 82; 12:100-102; 13:57-64, 145-147, 171-172; 14:97, 169-
 171; 16:258; 17:199-200; 18:227; 19:61-64; 20:101-103,
 142, 143-144; 23:141; 26:77, 105-110; 28:162; 30:242;
 31:225; 32:39-40; 33:147-148; 35:56-57
 review 26:77
 mortality, gypsum 32:40
 studies 1:41-49; 2:55-59; 3:167-174, 175-181 188-191
 5:200-208; 10:5-12; 27:3-6; 34:126-131
 Cell
 cultures,
 fibroblasts 18:62-63; 26:283; 27:116; 29:43
 31:193-202; 35:104-109
 review 2:157-167
 cycle dependence, cytotoxicity 27:116
 -free desensitization 18:172
 growth inhibition 29:184
 human 3:162; 17:141; 21:149-158; 26:283
 33(1):S25-S26
 injury 29:254-255; 31:177-182
 -mediated immune response 27:3-6
 membrane damage 33:55-65
 morphology, fetal osteoblasts 21:149-158
 proliferation,
 bone marrow cells 27:110-111; 116-117
 dental pulp cells 32:105; 34:72-73
 growth acceleration 16:68-69
 L-929 Fibroblasts 23:189-190
Cell cont'd
 proliferation,
 osteoblast cells 17:143-144; 23:98-99; 25:199-200
 26:150, 152; 27:118, 120-121, 230; 29:111; 34:279-280
 osteogenesis 26:71; 29:41
 resistance to fluoride 12:167-168; 14:43; 22:41, 94
 sensitivity to fluoride 26:227
 Cellular
 fluoride uptake 22:41
 lead uptake, risk co-factor 33:88-89
 Cementogenesis, sheep 22:148
 Cementum
 F⁻ distribution 23:46; 26:160; 28:165
 histology 23:46
 Central nervous system
 effects 30:261-266; 31:S23
 mediation, rat 13:88-89
 Cerebellar development 34:165-173
 Cerebellum 35:12-21
 Cerebral
 function, mice 34:80
 spinal fluid 19:190-191
 Cerebrovasculature 31:91-95, 96-99
 Cervids, environmental F⁻ bioindicators 29:177-178
 Chang Zhou, China, defluoridation 20:54-63
Channa punctatus (Bloch) (fish) 13:70-75, 117-121
 14:115-118; 16:48-51, 60-63, 243-246; 17:105-107
 Cheese and remineralization 26:75
 Chemical
 analysis, apatites 35:261
 burns 35:206-207
 composition, bottled water 32:113
 industry workers, Israel 20:189
 -toxicological studies 1:110-112; 12:76-84
 Chewing gums *See F⁻ prophylactics*
 Chick
 bone, embryonic 17:143-144
 embryo, teratogenic effect 27:23-31
 Chicken
 femur, structural elements 33(3):S3
 ovulation 16:37-43
 performance/egg production 16:37-43, 131
 studies 8:163-172; 10:34-37; 11:60-67; 13:20-24
 16:37-43, 117-128 (cn 191); 17:94-104; 27:23-31
 Child dental health *See Dental health*
 Children 3:12-18; 22:97-98, 149, 153; 23:188; 28:53, 118
 173, 189-192; 30:19-25 (cn 140), 193; 31:S13; 32:131-132,
 259; 34:150-151, 186-187, 188, 189; 35:58, 58-59, 61, 62,
 63, 63-64, 131, 137-138, 138, 139-140, 204-205. *See also*
F⁻ and children's health/F⁻ in school children/School children
 Chile
 dental caries or fluorosis 28:169; 32:38-39, 39
 food F⁻ content 5:82-84
 Chilean children 32:38-39, 39
 China 26:207, 217, 219, 220, 221; 27:125-128, 160, 161
 162; 28:37-38, 40, 125-127; 29:77-78, 190-192; 30:65;
 31:S2, S6, S12, S18, S31; S32; 32:109-110; 33(1):S36,
 S38, 74-78, 86; 34:214-215
 air quality survey 26:207, 214
 dental caries 17:62; 20:144; 21:163-166; 27:49, 50
 29:126-127; 35:1-4, 58-59
 dental fluorosis 14:51-55, 91-93; 17:62, 206; 18:46-53
 239-240; 20:75-78, 144, 154-161; 21:163-166; 26:218-
 219, 228; 27:49, 50, 160, 161; 28:189-192, 201-202;
 29:7-12, 25-28, 202-206; 30:26-28, 29-32, 66, 77-80, 81-
 84 (cn 194), 116, 229-232; 31:S2, S7, S11, S12, S14,
 S15, S28; 32:55-59, 251-254; 33(1):S17-S18, S19, 135-
 139; 34:192-193, 216; 35:1-4
 drinking water fluoride 20:75-78
 environmental fluoride 16:66; 18:46-53, 239-240
 20:75-78, 118-125, 154-161; 21:163-166; 25:123-128;
 26:207, 214, 216; 27:136-140; 28:131-134; 29:7-12, 33-
 35, 128, 207-211; 31:S1, S2, S18; 32:55-59; 35:51-55
 fluoridation 19:169-172; 21:163-166; 27:49
 30:115-116, 116; 34:201; 35:1-4

- Fluoride and Arsenic Society 31:130, 176; 32:251-254
China cont'd
 fluoride intake 17:62; 20:144; 21:163-166; 26:207
 28:201-202; 29:7-12, 139-143, 207-211; 30:29-32, 66,
 77-80, 115-116; 32:55-59; 34:201; 35:1-4, 255
 ISFR Conference report 27:183-184; 28:1-2
 occupational health survey... 24:62-65; 66-70, 90-94, 95-99
 31:S7, S15
 skeletal fluorosis.... 14:51-55, 91-93; 16:66, 66-67, 209-213
 17:9-14, 206; 18:46-53; 19:18-22, 80-86, 94; 20:24-27,
 118-125; 23:164-170; 24:122; 26:218-219; 27:160, 161;
 29:20-24, 25-28, 33-35, 79-81; 30:16-18, 26-28, 29-32,
 81-84 (cn 194), 85-88 (cn 194), 229-232; 31:S10, S11,
 S12; 32:55-59, 251-254; 33(1):S18-S19, 135-139;
 34:192-193, 202-203, 216
 soil types 35:122-129
 Chinchillas 35:259-260
 Chinese hamsters, SCE 24:45-46
 Chizzola maculae 2:37-39, 40-48, 206-213, 214-221
 3:4-5; 5:14-17; 10:1-4, 29-33; 14:1-3
Chlorella
fusca (algae) and F⁻ 11:159-161
vulgaris, AlF₃ and F⁻ 31:226
 Chlorhexidene 25:94-95; 26:162-163; 27:234-235
 Chloride and F⁻ emissions..... 2:73; 19:138-146
 Chlorination and fluoridation, bladder cancer 29:101-102
 Chlorofluorocarbons (CFC)..... 29:176
 Chlorophyll
 -a and -b 17:252-258; 33(1):S24, S33-S34
 and water loss 1:38-40
 content
 and fluoride toxicity 20:177-182
 azalea leaf discs 24:11-16
 -protein complexes 21:54-57
 synthesis 4:30-36; 7:69-77
 Chloroplast 5:67-72; 9:63-70; 11:89-99; 12:155-162
 15:149-156
 electron transport 15:105; 18:72-79
 Chlorosis alleviation 5:145-163
 Chlorotrifluoroethylene toxicology 3:181-187
 Chlorycel, low-F⁻ rodent food 33:101-102; 34:8
 Cholesterol *See also Serum cholesterol*
 in
 fish 13:70-75; 14:115-118; 16:48-51
 rabbits 18:146-149; 25:77-84, 149-154
 metabolism, guinea pigs 19:71-77; 20:137-141
 Cholinesterase 3:43-45; 9:42-46; 14:115-118; 32:120-121
 activity 34:21-33, 80; 35:62
 inhibition, rats/guinea pigs 20:47
 Chondrocyte
 damage 28:39
 differentiation 35:90-103
 Chondrocytes, stereologic parameters 23:154-163
 Chondroitin sulphate 15:191-198; 18:229-230; 19:18-22
 22:112-118, 137-140; 26:230-231; 31:193-202
 Chromatid aberrations 11:37-38, 156
 Chromatograms
 fluorocarbon mixtures 21:201-209
 iodoamino acids 8:191-198
 methyl esters, fatty acids 20:113-117
 organic acids 6:203-215; 16:106-111
 Chromatography, F⁻ analysis 21:22-27; 27:97-107
 29:82-88; 31:74-80; 32:116-117; 34:114-125
 Chromosome
 aberrations *See F⁻ and chromosome aberrations*
 damage 21:161
 Chronological Fluorosis Assessment 27:57
 Chrysin 33(1):S29
 Chymotrypsin 3:43-45
 Ciechanów, Poland 33:196-204
 Cigarette smoke and F⁻ 23:190
 Cimetidine (antacid), F⁻ absorption 26:225-226
 Ciprofloxacin toxicity 28:228
 Circadian rhythm, urinary F⁻ 17:173-177; 33:90-91
 34:250-257
 Citrate accumulation 12:114-124
 Citrate in lettuce 6:194-202 (cn 7:108)
 Citric acid in
 bones 10:76-82 (cn 148)
 FAA/FAC poisoning 4:137-142; 5:132-135
 6:215-224, 224-245
 soft tissue 11:14-17
 Citrus trees and F⁻ 2:97-105; 3:27-30; 4:30-36; 5:145-163
 C-kinase 23:184-185
 Clastogenicity/Clastogenic activity 26:145; 27:116; 29:43
 Clay and F⁻ sorption, defluoridation 31:S30; 34:196-197
 Climate and soil F⁻ distribution 25:135-142
 Climatic influences and
 airborne F⁻ 7:181-199; 19:14-18; 22:179-187
 water F⁻ 23:183-184; 24:84
 Clonogenicity 33:168-173; 35:256-257
 Clover (*Trifolium repens*) 30:244
 Coacervation by electrolysis 20:54-63
 Coal
 burning and fluorosis 16:66; 18:239-240; 26:207, 216, 228
 27:125-128; 29:7-12, 33-35, 79-81, 207-211; 30:29-32,
 229-232; 31:S1, S15, S18; 33:135-139; 34:192-193
 combustion and hydrocarbons 19:193-194
 -fired power plant,
 F⁻ emissions 7:223; 10:47-62; 17:193-196; 19:193-194
 fly ash waste 31:188-192; 32:14-19
 Cochlear deterioration 21:13-21
 Code of Ethics 31:229
 Coffee F⁻, caffeinated vs decaffeinated 29:147-150
 Cognition/cognitive impairment 27:164
 Collagen
 biosynthesis 35:104-109
 breakthrough 12:111-113; 17:1-3
 destruction 34:202-203
 fiber structure, rats 23:171-174; 30:113-114; 33(1):S25
 in skin and lungs, rats 14:90
 in tooth-germ growth 19:98
 phenotype 35:90-103
 structure, rat femur 21:28-31

- synthesis 15:177-190; 17:139, 143-144; 26:283
Collagen cont'd
 type 1 32:105
 type-I production 27:116-117, 118; 34:211-212
 Collagenase production, rabbits 15:177-190; 22:49
 Collagenous fibres, fluorosis 9:127-137; 16:209-213
 Colorimetric methods vs F⁻ electrode 16:51-54
 Colquhoun JA
 In Memoriam/tributes 32:133-147 (cn 263)
 Publications 32:148-151
 Combined toxicity, F⁻ and Al 28:37-38
 Common gull (*Larus canus*) 29:178-179
 Community fluorosis index 8:154-161; 18:140-145
 24:127; 27:49; 28:189-192; 29:151-155, 202-206; 31:S14;
 32:38-39, 39, 130-131; 34:139-149; 35:138-139
 Competitive inhibition 33:115-120
 Composites (fillings) and F⁻ release 26:161, 292; 34:219
 Compound 1080 See *Fluoroacetate*
 Compressive and torsional tests 29:108
 Computer contouring 29:175-176
 Computerized tomography, fluorosis 29:29-32, 181
 Confocal microscopy, single-cell imaging 32:106-107
 Coniferous rain forest, growth rates 29:241-251
 Contact dermatitis See *Dermatitis*
 Continuing evaluation of the use of fluorides See *F⁻ use*
 Copolymer devices, caries reduction 26:292
 Copper 3:49-53; 9:185-200; 11:159-161; 13:49-57
 15:25-31, 81-87; 22:204-205; 33:66-73 (cn 148)
 and skeletal changes 20:104-108
 deficiency, cattle 1:50-53; 2:55-59
 in tissues, fluorosis 14:107-112; 16:187; 17:81-93
 23:37-42
 Co-precipitation with apatites, defluoridation 27:109, 110
 28:41; 29:212-216
 Cord blood
 CD34⁺ cells 33:168-173; 34:258-263
 fluoride See *F⁻ in umbilical cord*
Cordylina terminalis (Baby doll) 8:85-91
 Corn fluoride content 11:129-134; 16:235-242; 26:203
 Corn seedlings, aging 6:162-178
 Cornwall Island, NY 13:145-147, 171-172; 14:97
 Coronary artery contractions, cattle 13:167
 Cortical bone 25:201; 27:229-230
 fluoride vs femoral neck BMD 34:213-214, 227-235
 fluoride vs iliac crest F⁻ 14:10-13; 15:173-177
 Corticosteroids, fluorinated 2:191; 8:174-175; 14:128
 22:128-130; 31:S23
 Cortisol and fluoride 19:36-37; 24:23-28
 Cosiner method 34:250-257
 Cottbus, GDR, environmental F⁻ 16:43-47; 17:193-196
 18:93-95
 Coxarthrosis 30:186
 Cranial bone fossils, age and F⁻ 29:131-134; 31:S19
 C-reactive protein 28:110
 Creatinemia 15:157-161
 Creatinine
 clearance 7:200-208; 9:33-35; 10:22-27; 11:40-41
 12:5-8; 13:10-16; 14:96, 155-160 (cn 15:104); 17:35-41;
 19:34-35; 30:61-63
 phosphokinase 7:177-181; 9:9-17; 26:61-65; 28:37-38
 Crested wheatgrass 6:203-215
 Crocodiles 31:S8
 Cryo-fixation 26:71
 Cryolite
 fluoride content 14:69-74
 industrial use 2:4-12 (cn 127)
 inhalation 6:179-181; 8:47-50 (cn 120)
 mud, F⁻ content 19:10-13
 pesticide use (Na₃AlF₆) 30:142-146, 274
 workers and health 12:214-215; 18:181-186
 26:144-145, 257-262; 33(1):S31-S32
 Crystallinity, fluoridated apatites 19:65-70; 23:98
 Crystalluria 16:190-191
 Cuba dental caries 9:216-217; 33:40-41
 Culemborg/Tiel, Holland See *Holland Culemborg/Tiel*
 Cultured fibroblasts 31:193-202
 Cumulative dose 35:245-246
 Cyanobacterial response to F⁻ 33:55-65
 Cyclic AMP 8:163-172; 14:145; 15:4-13, 198, 202-208
 16:181-186, 253; 17:210-217, 217-223; 18:172; 25:197;
 26:74
 and fluoride, review 6:19-32
 PIP synthase 33:96-97
 Cyclophosphamide 28:114
 Cytochemical alterations, enzymes 17:81-93
 Cytochrome
 c reduction 15:4-13
 oxidase 15:51
 P₄₅₀ 15:132-136; 18:70; 21:5-12; 28:225-226; 33:S17
 Cytogenetic
 effects 2:76-84; 10:157-164; 11:156; 26:23-32; 28:114
 32:98, 261
 studies 11:37-38
 Cytokine 32:262-263; 34:204
 Cytological effects, mice 15:110-118; 17:81-93
 Cytotoxicity 27:110-111, 116; 29:104, 184; 34:72-73
 Czechoslovakia environmental F⁻ 2:25-27, 28-32, 33-36
 73; 3:18-21; 4:85-88, 89-92; 5:89-91; 7:88-93; 10:73-76;
 19:193-194; 29:177; 30:243-244; 32:114-115; 33:93-94,
 146-147
 Dabri, India 12:38-47, 72-75
 Dairy cattle, NAS standard.. See *National Academy of Sciences*
 Dairy milk F⁻ content 28:10-16
 Dark respiration 15:149-156
 Darmous area, Morocco 16:214-219; 18:227; 26:241-246
 Deafness 31:53
 Deamination 33:182-186
 Deciduous dentition 27:55, 236-237
 Deer 34:197-198. See also *Black-tailed/ Mule/Red/*
 Roe/White-tailed/deer
 antlers, F⁻ bioindicator 30:243-244; 33:92
 antlers, F⁻ content 19:196; 30:243-244; 33:92, 93-94
 browse, F⁻ content 12:129-135

- fluorosis, experimental 19:196; 30:246
 Deer mice (*Peromyscus maniculatus*)..... 7:7-31; 8:125-133
 9:47-53; 10:47-62
 Defluoridation of
 water See *Water defluoridation*
 anesthetics See *Anesthetics*
 Dehydroascorbic acid 15:97-104
 Deionization, hospital hemodialysis unit..... 28:42
 Dementia 29:101; 31:96-99
 Demineralization See *Enamel/Dentin/Root surface*
 Deming, New Mexico 21:104
 Denmark 18:181-186; 22:153; 23:44
 dental caries 17:57; 18:232; 28:53
 dental fluorosis 17:57; 21:159-160; 22:93
 Density functional theory (dft) 32:101-102
 Dental
 calculus chemical structure 33(1):S5
 calculus F⁻ distribution 29:186
 caries See *Caries*
 costs and fluoridation 31:S14
 disease prevalence, prehistoric 22:141
 Dental fluorosis 18:1-3, 131-134; 28:10-16, 117, 118, 214
 215, 216-217; 29:97-98; 33:98; 34:181-183 (cn 35:66),
 189-190, 209-210; 35:249. See also *Enamel defects/hypo-*
plasias/opacities/Fluoridation/Water F⁻
 and
 altitude 21:47-48; 32:118-119; 34:73
 biochemical/chemical aspects 28:161
 bone fractures, children 34:139-149
 bone structure, children 26:37-44
 caries 4:172-175; 5:31-33; 6:106-112; 8:154-161
 12:38-47, 164; 13:25-30; 14:123-128 (cn 15:49); 15:70-
 75; 17:57, 58-59; 18:174-175, 232; 20:137-141; 21:137-
 141; 22:50; 92-93; 24:127; 26:231-232; 27:121; 28:55,
 116; 31:54, S14; 32:39, 117-118, 130-131, 256-257 (cn
 33:98); 33:86-87; 34:150, 269-270; 35:1-4, 205-206
 coal burning 18:239-240; 26:207; 29:7-12
 30:29-32, 229-232; 31:S2, S15; 32:55-59; 33:135-139;
 34:192-193, 216
 Dental fluorosis cont'd
 and
 collagen 16:137-138; 26:218
 damage compensation 34:219-220
 dentifrice use 17:234-242; 23:180, 191
 24:48-49; 25:206; 28:50, 52, 54-55, 173; 29:113, 115;
 30:127-128; 31:101; 32:35, 256-257 (cn 33:98), 258;
 33:86-87, 140-141, 219-220
 diagnostic improvements 28:163; 31:S33
 dietary factors 30:66, 77-80, 247; 31:S5; 32:118-119
 128; 33:91
 dose-response relationship 27:236
 fluid intake 28:168
 fluoride exposure (intake) 22:97-98; 29:7-12, 54
 139-143; 30:125-126; 31:S5; 32:256-257 (cn 33:98),
 257-258; 33:41, 91; 34:75, 188
 goiter 26:187-190
 infant formula 24:48-49; 28:54-55, 163; 30:127-128
 32:34; 33:140-141
 mechanism of F⁻ action 15:64-69; 16:137-138
 19:105-107; 22:137-140; 27:236; 28:162; 32:127
 parent satisfaction 31:228
 risk factors 24:48-49; 25:206; 26:231-232; 28:54-55
 112, 173, 218; 29:114, 115, 115-116; 30:127-128, 219-
 222; 31:101; 183-187; 32:34, 35, 38-39, 41, 110-111,
 118-119, 127, 256-257 (cn 33:98), 258, 259; 33:140-
 141, 219-220, 222; 35:63-64, 138, 204-205
 socio-economic status 17:234-242 (cn 18:121)
 24:48-49; 28:50; 30:233-239; 33:219-220
 supplements 8:55-56; 17:57, 58-59, 60-61
 18:232; 20:92; 21:101; 23:50, 180, 191; 24:48-49;
 25:206; 26:288; 27:121, 180-182; 28:52, 54-55, 116,
 173; 30:127-128; 31:54, 101; 32:34, 36-37, 110-111,
 127, 256-257 (cn 33:98), 258; 33:45, 140-141
 tea 21:121-126. See also *Tea fluorosis in China*
 urinary fluoride 17:155-159; 18:30-36; 28:189-192
 29:139-143, 202-206; 30:233-239; 32:37-38, 118-119
 Dental fluorosis biomarker 28:162
Dental fluorosis cont'd
 classification 4:154-166; 15:52-53, 106
 17:234-242 (cn 18:121); 18:140-145
 distribution 6:106-112; 8:243-244; 12:38-47; 14:86-90
 15:106; 17:234-242 (cn 18:121); 18:4-11, 149-156; 21:47-
 48, 121-126, 159-160; 25:160-161; 26:177-180; 27:57;
 30:19-25 (cn 30:140), 33-40, 247; 33:220; 34:139-149
 esthetic perceptions 27:54-55, 113; 31:228; 32:35-36
 35:138-139, 204-205
 in
 African-American children 34:73-74
 animals 1:41-49; 5:58-65; 12:38-47, 100-102, 129-135
 14:169-171, 192-193; 17:199-200; 18:235-236; 19:61-
 64; 20:142, 23:142; 25:123-128, 183-190; 26:228;
 27:170; 28:167; 29:177, 177-178; 33:146-147, 147-148;
 34:71
 deciduous teeth 16:101-105; 21:49-50; 22:93; 27:55
 30:192; 32:129-130; 33:220-221; 34:187, 270-271
 powdered milk vs cow's milk 22:93
 prevalence 18:86-92; 21:49-50; 22:92-93, 93
 23:50, 104-111, 180, 191; 26:181-186, 228, 231-232;
 27:50; 28:55; 30:33-40, 192-193; 32:35-36, 38-39, 86-87,
 117-118, 130-131, 256-257 (cn 33:98), 258; 33:41-42,
 91, 219-220, 220-221; 34:61-70, 75, 76-77, 153-154,
 269-270, 270-271, 272; 35:57, 58, 133-134, 135-137,
 139-140, 204-205, 205-206, 255
 prevention 27:162-163; 35:205-206
 review 29:99-100; 34:75
 severity and age 33:218
 Dental health
 and
 aging 33(1):S35
 dentifrice, Iceland children 24:125
 socio-economic status . 19:98-100; 22:40-41; 29:123, 124
 care habits in Sweden 29:125-126
 care, Pediatrician's role 20:92; 21:101
 changes in Finland 23:144-145; 32:33; 33:140; 34:76

- education..... 24:124; 29:125-126
- Dental health cont'd*
- in children, NZ..... 19:98-100; 21:1-4; 22:40-41
26:125-134; 31:219-220
- parameters in Hungary..... 23:186
- preventive programs..... 18:122; 19:44-45; 24:124
26:162-163; 27:56-57; 29:120-121; 30:248; 33:88
- status *vs*
- attitude..... 18:232
- dental services..... 21:1-4; 22:149; 28:170; 29:124
- environmental F⁻..... 33(1):S1
- surveys..... 27:236-237, 238; 29:125-126
- treatment variables..... 23:111-118
- Dental
- plaque..... 20:46-47; 27:234-235; 29:48, 50, 51; 30:115
- control..... 27:56-57; 32:120, 123
- F⁻ adaptation..... 18:123; 27:54
- index..... 23:144-145; 33(1):S1
- mineralization..... 23:146
- monofluorophosphate diffusion..... 28:171
- removal devices, review..... 32:120
- profession, cross-cultural comparisons..... 31:228
- pulp cells..... 26:283; 32:105; 34:72-73
- tissue
- effects of fluoride..... 27:236; 28:161
- F⁻ distribution..... 10:174-186; 11:4-13 (cn 155); 15:64-69
23:46, 142; 25:204-205, 205; 26:160, 213, 28:51
- volume, rats (stereologic estimate)..... 33(1):S27-S28
- Dentifrice ingestion..... *See F⁻ intake dentifrice*
- Dentin
- acid resistance..... 26:291-292
- and enamel hypomineralization..... 27:170
- apposition, rats..... 26:157; 33(1):S27-S28
- crystal..... 26:218; 32:96-97
- crystallographical study..... 33(1):S39
- deminerlization. 26:115-124; 26:291-292; 29:117, 121-122
- fluoride..... 29:186
- distribution... 23:46; 26:115-124, 292; 27:235; 28:135-145
- uptake, glass-ionomer..... 27:235
- Dentin cont'd*
- formation..... 28:167
- hardness and minerals..... 8:116-117
- hypersensitivity..... 34:218
- mineral composition..... 26:291-292; 28:135-145, 167
- mineralization, rats..... 7:61-62; 15:107; 16:130-131
- Dentin remineralization..... 29:117, 121-122
- Dentinogenesis..... 26:158-159
- Dermatitis..... 9:36-41; 10:1-4, 39; 13:141; 26:267-273
- Dermatoglyphics, fluorosis..... 16:198-208; 17:168-172
26:257-262; 27:194-200; 28:113; 33(1):S31-S32
- Dermatological effects..... *See F⁻ and dermatological effects*
- Deuterated Methoxyflurane..... 16:253-254
- Dexamethasone (sodium phosphate)..... 22:128-130
- DFP-hydrolyzing enzyme, plants..... 26:217
- ¹⁸FDG-PET, oral cancer management..... 33(1):S23-S24
- Dharmapuri Block, India..... 35:254
- Diabetes
- in rats..... 15:214-221; 29:182, 183; 30:51-58; 32:121-122
- insipidus..... 8:117-118, 198-207
- Diabetic hyperglycemia, rats..... 26:215; 31:33-42
- Diacylglycerol generation..... 25:195
- Diagnostic dilemma..... 16:70-71
- Dialysate calcium, bone disease..... 6:183-184
- Dichapetalum cymosum*..... 1:9-14; 35:255-256
- Dichapetalum toxicarum*..... 35:255-256
- Diet, protein *vs* vegetarian..... 16:254-255
- Dietary
- fluoride..... 4:44-48; 5:89-91, 102; 7:114-116 (cn 173)
224; 8:98-105, 105-110, 154-161; 9:116-117; 16:20-23,
175-180; 17:54-55, 142; 22:43, 97-98; 24:1-10, 51-61;
26:224-225; 28:61-70, 169, 215-216; 31:S5; 33(1):S37-
S38; 34:155-156; 35:257
- supplements..... *See F⁻ prophylactics, supplements*
- total F⁻ *vs* inorganic F⁻..... 17:140
- Reference Intakes, NAS..... 30:252-257; 258-259; 31:153-
155, 156-157; 32:187-190, 191-192 (cn 263), 193-198
- Diethyldithiocarbamate..... 20:95
- Diethylstilbestrol (DES), Our Stolen Future..... 29:227-229
230-236
- Diflunisal (organofluoride), F⁻ determination..... 22:174-178
- Digestive absorption in rats, Al and F⁻..... 29:184
- 1,25-Dihydroxyvitamin-D₃..... 27:116-117
- p-Dimethylaminoazobenzene..... 2:85-90; 10:42, 40, 43
- Dimethylformamide (*N,N*) and sulfoxide..... 15:48-49
- Dimethylnitrosamine..... 18:70
- Disfiguring dental fluorosis, NZ..... 17:234-242 (cn 18:121)
23:104-111; 31:103-118 (cn 170)
- Disodium monofluorophosphate..... 25:198; 32:98
- Distillation
- sample size..... 35:260-261
- F⁻ analysis..... 32:117
- District Agra, India..... *See India*
- Diuresis..... 5:98-99; 7:169-172; 17:131-138, 201
20:41-42; 32:121-122
- DMF
- measurement origins..... 23:111-118
- scores, real or imaginary..... 16:134-135
- DmPge(2), gastric mucosa canine..... 31:50
- DNA..... 3:162; 14:43; 15:31-35, 110-118, 119-123, 222
26:191-196; 27:76-80; 31:143-148
- fragmentation..... 29:104
- synthesis..... 2:157-167; 12:167-168; 14:43
17:141; 20:39; 26:152; 29:72-76
- unscheduled..... 17:261-262; 18:62-63, 64
- Dog
- fluorosis, spinal cord..... 20:28-29
- study, F⁻ pharmacokinetics..... 25:197-198
- studies..... 3:204-207; 4:129-136; 6:84-93; 10:174-186
12:177-182; 33:33-38
- Dohna, Germany..... 10:89; 16:101-105; 23:31-34
- Donora, Pennsylvania disaster..... 7:174-176
- Double blind tests..... 1:94-102; 7:146-152 (cn 227)
11:43-45; 13:168-169
- Down's Syndrome..... 8:1-11 (cn 120); 30:113; 31:61-73

- D-penicillamine 15:31-35
 Drinking water fluoride *See Water fluoride*
 intake, heat stress 32:60-66
Drosophila melanogaster..... 3:192-200; 4:25-29; 6:113-117
 survival and F⁻ content 23:83-91
 Dual-energy X-ray absorptiometry..... 32:124-125; 33(1):S2
 Duck-Weed (*Spirodela polyrrhiza*), F⁻ uptake 24:109-113
 Ductuli efferentes..... 26:148
 Dungarpur District, Rajasthan, India..... 30:223-228
 34:61-70; 35:56-57
 Duodenum histopathology 35:28-37
 Duodenum, protein content 20:177-182
 Durango, Mexico..... 31:183-187; 34:139-149
 Dyspepsia non-ulcer 25:5-22; 26:97-104
 Dyspnea..... 9:165
- Earthworm (*Eisenia fetida*) 33(1):S32
 East Germany, fluoridation 26:155
 Easton, Pennsylvania 8:114-115
 Echocardiology, artery calcification 24:121
 Ecological
 studies 25:49-50
 aspect, fluoride 5:92-97; 8:224-240
 Economic assessment, fluoridation 24:130 (cn 25:164)
 Ectopic bone formation, rats 25:201
 Edmonton, Alberta hip fractures 26:287
 EDTA 4:42-43; 13:96-99; 15:4-13, 131
 -soluble protein..... 18:171
- Egg
 albumin and fluoride 11:198-207; 19:86-89
 fluoride, wild birds..... 11:198-207
 production, chickens 16:37-43, 131
 shells, F⁻ bioindicator 27:141-144; 29:178-179
 weight 20:38
- Egypt environmental fluoride 25:23-36
 El Qued, Algeria..... 15:43-47; 17:35-41
 Electroanalysis, F⁻ determination..... 27:97-107; 29:82-88
 31:74-80; 34:114-125
- Electrocardiogram changes 4:154-166, 194-198, 199-204
 204-209; 7:208-219; 18:46-53; 19:49-50; 20:118-125;
 30:16-18, 29-32, 81-84 (cn 194); 31:100-101
 Electrocoagulation, defluoridation..... 31:227
 Electrocondensation, defluoridation..... 20:54-63
 Electro dialysis 32:108
 Electrokinetic behavior, F⁻ salts 30:250-251
 Electrolyte metabolism, rats..... 31:100-101
 Electromyographic studies..... 5:43-45; 11:33-36 (cn 155)
 14:94-95; 19:181-183
- Electron
 diffraction 16:135
 localization function (elf)..... 32:101-102
 microscope scanning..... 4:58-63; 9:127-137; 15:131
 16:23-33, 169-174, 209-213; 18:111-117; 19:18-22;
 21:76-81; 22:148; 23:185-186; 26:211, 218; 27:119, 170,
 172; 28:135-145, 216-217; 31:47
 probe microanalysis 9:63-70; 10:174-186; 11:186-197
 spin resonance (ESR) 26:167-176; 27:129-135
 28:193-200; 30:5-15; 33:87
- Elk (*Alces alces*) 28:221
 Embryotoxicity... 4:167-171; 19:154; 34:184-185; 35:131, 133
 Emission spectrochemical analysis, fluorine 26:204-205
- Enamel *See also Ameloblast*
 abrasion, F⁻/Mg ratio 33(3):S5-S6
 and calcium fluoride formation 26:290
 bacterial colonization 10:89-91
 biochemistry 28:161
 y-Carboxyglutamic acid 18:171
 changes and TF index 27:236
 changes and vitamin E 18:221-226
 color/light reflectance, fluorosis 28:216-217
 crystal size 16:135; 18:179-180; 26:218
 crystal topography 34:71
 defects 8:243-244; 25:94; 27:55
 28:50; 55, 161; 30:66; 32:36-37; 33(1):S1. *See also Den-*
tal fluorosis/Enamel hypoplasias/opacities
- and caries 28:169; 29:126-127
- Enamel cont'd*
 demineralization 15:131; 19:195-196; 26:161, 292
 27:112, 114; 29:48, 50, 51, 52, 116-117, 117
 development, rats 20:43, 45; 30:66
 dissolution..... 22:152-153
 erosion 35:130
 factory F⁻ pollution..... 12:102-103, 109-110; 18:22-30
 fluoride
 (superficial) uptake 9:217
 content..... *See F⁻ in teeth*
 diffusion..... 22:150
 distribution..... 4:147-148; 7:166-167; 8:116-117
 9:166; 10:174-186; 11:4-13 (cn 155); 14:56-61; 15:64-
 69; 16:101-105; 19:147; 22:48; 23:46; 25:205; 26:157;
 28:164; 29:122, 186; 31:51-52, S32; 33(3):S1
 in deciduous teeth..... 19:147, 169-172; 20:150; 22:48
 uptake in solution..... 19:195-196; 26:156; 27:114; 28:164
 fluorosis *See Dental fluorosis*
 and caffeine, rats 32:103-104
 formation..... 11:4-13 (cn 155); 15:64-69; 19:101-102, 198
 20:149-150
 histology..... 14:182-191; 15:106; 19:61-64, 101-102
 20:45; 22:148; 26:213; 30:246
 histomorphometry, arsenic/F⁻ 29:156-162
 histopathology 35:51-55 (cn 142)
 hypercementosis 17:199-200
 hypomineralization..... 27:59-66, 170
 hypoplasias..... 15:131; 17:199-200; 18:30-36; 27:170
 28:50, 161; 29:126-127; 30:240-241, 246
 lesions..... 19:198; 20:150; 26:290; 27:112, 112-113, 114
 29:120
 matrix 23:100; 30:66; 33:98
 proteins 19:98; 24:118
 maturation (post-secretory) 20:149-150; 25:205
 microhardness 22:148; 27:172
 mineral content 19:101-102; 26:211; 27:112-113
 119, 234-235; 34:217, 217-218, 218

Enamel cont'd

- mineralization disturbances.....7:61-62; 14:182-191; 15:107
16:130-131; 17:57, 58-59; 18:30-36, 171; 19:98, 101-102;
24:118; 26:211, 213, 218; 27:119, 170; 28:166; 31:51-52;
33:146-147
- morphology..... 4:58-63; 16:101-105; 25:123-128
27:119, 120; 28:216-217; 30:240-241
- opacities, imaging techniques 28:163; 31:S33
- organ cysts, rats 20:97-98
- pitting 15:131; 21:47-48; 30:247
- porosity, fluorosis 15:64-69; 32:127
- remineralization 18:179-180; 25:206; 26:75, 290
27:112-113; 28:216; 29:50, 116-117, 117; 32:126
- solubility.. 2:236-240; 4:58-63; 14:129-131; 15:131; 22:152-
153, 166; 27:172; 28:217; 29:49; 33(3):S8, S8-S9; 34:203
vs F⁻ in teeth 19:97; 20:150, 171-176; 29:48; 33(3):S1
- staining and SnF₂..... 21:160
- Enamel *vs* carbonated apatites (CO₃²⁻)..... 19:65-70
- Enchondral ossification, rats..... 24:17-22
- Endemic fluoride area 33:154-158; 34:269
- Endemic fluorosis 1:86-93, 113-116; 2:195-200; 11:29-32
101-103, 151-155; 13:81-85; 14:38-41, 182-191; 15:43-47;
17:4-8, 35-41; 18:236; 21:212-213; 23:143-144; 24:117,
127; 33:42-43
- China ... 14:91-93; 16:66, 66-67; 17:9-14, 206; 19:18-22, 94
20:75-78; 21:163-166; 23:164-170; 24:122; 26:207, 216,
217, 218-219, 220; 27:125-128, 160, 161, 162; 28:37-38,
125-127, 189-192, 201-202; 29:20-24, 25-28, 79-81, 190-
192; 202-206, 207-211; 30:16-18, 29-32, 65, 229-232;
31:S11, S12, S31; 32:55-59; 33(1):S18-S19, S38;
34:202-203, 216; 35:255
- India..... 1:65-75, 76-85; 2:142-152, 200-205
3:105-106, 208; 5:21-24, 115-125, 125-130; 6:4-17, 106-
112, 143-151; 7:200-208, 208-219; 8:34-38, 144-154,
154-161; 9:91-98, 138-146, 167, 185-200; 11:33-36
(*cn* 155), 11:115-119, 120-124, 166-170; 12:58-64, 72-
75, 188-194; 13:10-16, 17-19, 25-30, 49-57; 14:69-74;
- 15:25-31, 81-87; 17:14-22, 48-52, 155-159, 168-172;
Endemic fluorosis India *cont'd*.....18:66-67, 117-119
120-121, 125-127, 140-145, 149-156, 198-203; 19:151;
20:4-10, 189-190; 21:39-44; 23:147; 25:65-70, 101-110;
26:97-104, 142, 177-180, 187-190, 282; 27:52, 89-92, 189-
193; 28:41; 29:63-71, 254; 30:147-152; 31:S22, 227;
32:39-40; 33:121-127, 187-195; 34:61-70, 103-107; 35:56-
57, 254
- Endemic fluorosis
- Japan 4:194-198; 19:173-180; 26:141
- Kenya 18:4-11; 20:146-147; 28:113; 30:19-25 (*cn* 140)
- Mexico 28:203-208, 218; 30:33-40, 219-222, 233-239
33:220-221
- defluoridation..... 3:31-35; 9:98-104; 13:25-30; 17:48-52
20:189-190; 23:147; 26:220; 27:125-128, 160; 28:41,
113; 29:25-28, 202-206; 31:S11, S13; 33(1):S18-S19,
S38; 34:216
- domestic animals..... 32:39-40; 35:56-57
- fluoride in cultivated soil 19:94
- gastrointestinal effects..... 26:97-104, 235
- geochemical aspects.. 14:69-74; 20:4-10; 26:219; 27:89-92
- intelligence in children 28:37-38, 189-192; 29:190-192
33:49-51, 74-78
- spina bifida 33:85
- Vitamin D deficiency 25:65-70; 191-192, 193-194
- Endocrine aspects, fluorosis 7:208-219
- Endogenous caries theory 2:116-119
- Endoplasmic reticulum..... 33:85-86, 144-145
- Energy transduction 32:103
- Enflurane..... *See Anesthetics*
- England *See United Kingdom*
- Enolase inhibition 28:115
- Enterovirus inactivation and pH 15:221
- Environment
- and the genitourinary tract..... 29:101-102
- contamination 27:141-144
- Environmental fluoride 1977* (NRC), book review..... 12:1-3
- Environmental fluoride 7:4-6; 123-135 (*cn* 8:57), 220-222
223; 15:169-172; 22:95, 205; 28:29-32
- Environmental fluoride cont'd*
- accumulation in
- aquatic species 14:102-107; 161-168; 20:38
- insects..... 6:127-137
- vegetation 6:73-78; 7:7-31; 10:152-156; 13:105-117
18:163-168; 21:185-192; 22:179-187; 23:5-19; 28:180-
188; 30:188; 32:74-83
- and
- animals..... 1:41-49, 50-53; 2:25-27, 28-32, 49-54
55-59; 3:53-60; 4:21-24, 89-92; 5:58-65, 74-81; 7:7-31,
111-112; 8:224-240; 10:76-82 (*cn* 148); 11:37-38;
13:171-172; 14:97, 194; 16:151, 258; 17:199-200;
18:235-236; 19:61-64; 21:210, 211; 22:29-32; 23:143-
144; 25:23-36, 123-128; 27:136-140, 170; 28:131-134,
158-159, 167; 30:240, 240-241, 242; 31:51-52, 224,
225; 33:146-147, 147-148; 34:197-198; 35:51-55 (*cn*
142)
- aquatic species 8:224-240; 17:224-233; 18:104-110
27:220-226
- coal burning fluorosis..... 16:66; 18:239-240; 26:207, 216
27:125-128; 29:7-12, 33-35, 207-211; 30:29-32, 229-
232; 31:S1, S2, S18; 32:55-59; 33:135-139; 34:192-193
- fluoride in teeth 12:109-110; 34:217-218
- health effects 2:33-36, 37-39, 40-48, 62-70, 189-190
206-213; 3:1-3, 42-43, 109-112; 4:85-88, 97-98; 5:14-
17, 169-171, 172-181; 7:88-93, 153-165, 174-176;
10:45-47, 89; 12:102-103, 109-110; 14:44-45; 15:21-25;
16:83-90; 17:14-22; 18:86-92, 181-186, 19:90; 20:93-
94, 145-146, 154-161; 21:87-92, 163-166; 23:101-103;
26:216; 28:223; 29:33-35, 104-105; 32:256; 33(1):S19-
S20; 34:192-193. *See also Occupational F⁻*
- impact assessments 17:41-47; 29:241-251
- insect infestation 10:14-21
- Neighborhood fluorosis..... 2:2-3, 206-213; 10:89
12:102-103; 16:83-90; 18:80-86, 86-92; 26:181-186
- paper sampling 16:259; 18:22-30; 19:124-131 (*cn* 187)

- plant physiology 23:5-19; 26:3-22
- Environmental fluoride cont'd*
- and
- soil .. 2:28-32; 4:80-84, 11:1-3, 38-39; 23:143-144; 30:241
32:67-70, 71-73; 33(1):S35-S36; 35:110-121
- spatial/temporal patterns 23:187; 33:145, 146
- sulfur
- dioxide 3:137-142; 5:92-97; 7:174-176; 11:211
21:87-92; 26:207; 28:223; 29:7-12, 33-35, 104-105,
207-211; 32:256
- hexafluoride (SF₆) 33:94
- tree growth 3:137-142; 5:145-163; 11:211; 12:9-17
13:105-117
- vegetation 2:25-27, 28-32, 72, 97-105, 188, 222-228
3:18-21, 22-26, 27-30, 42-43; 4:21-24; 5:89-91; 9:153-
162; 10:14-21; 11:129-134, 135-141, 170-178, 186-197;
12:109-110; 13:122-129; 14:112-114; 17:252-258;
18:208-211; 19:4-10; 20:126-136; 21:69-75; 23:5-19,
151-153; 25:115-122; 26:23-32; 29:128; 30:244; 32:74-
83; 33(1):S24, S35-S36
- damage evaluation 12:182-187
- volcanoes 5:58-65; 10:152-156; 22:59-65
31:51-52, S4, 223
- waste aluminum use 23:35-36
- waste disposal 2:4-12 (cn 2:127)
- Environmental fluoride*
- bioaccumulation 8:224-240
- bioindicators 8:125-133, 182-191; 14:102-107
15:14-20; 19:138-146; 22:59-65, 169-173; 23:175-178;
25:96; 26:214; 27:141-144, 170; 29:177-178, 179, 241-
251; 30:243-244; 31:51; 33:92, 93-94, 146, 149-150,
(3)S3-S4, 196-204
- biomonitoring,
- children 2:33-36; 3:42-43; 4:85-88; 7:88-93; 15:21-25
20:93-94, 154-161; 21:87-92; 23:119-123; 28:223;
29:104-105, 185; 32:256; 35:239-243
- vegetation 6:127-137; 7:123-135 (cn 8:57), 181-199
- 10:47-62; 15:14-20, 56-63, (cn 223), 124-131; 19:138-
146; 25:96; 28:180-188; 29:179, 241-251
- Environmental fluoride cont'd*
- biomonitoring
- wild birds 11:198-207
- wildlife 8:125-133, 182-191; 10:47-62, 73-76; 12:129-
135; 15:56-63 (cn 223); 27:170; 29:177, 177-178, 178-
179; 30:243-244; 32:114-115; 33:92, 93-94, 145, 146;
35:65-66
- disasters 2:4-12 (cn 2:127), 62-70; 7:174-176
- distribution 7:7-31, 181-199; 8:125-133; 9:73-90
11:38-39; 16:43-47; 17:193-196; 18:22-30, 212-216, 235-
236, 236; 23:187
- emission
- reductions 21:107-108
- sources 2:4-12 (cn 2:127); 3:61-64; 7:153-165
8:25-33; 17:193-196
- standards 3:53-60, 143-152; 5:111-114
13:145-147, 171-172; 14:75-86; 17:41-47; 22:85-89;
23:129-136; 26:214
- uncontaminated ecosystem 8:125-133
- workplace 2:13-24, 120-124; 4:101, 149-150; 6:122
138-142; 7:226-227; 8:177; 9:165, 215-216; 12:18-27,
48-49, 214-215; 13:142-143; 14:44, 75-86, 172-181;
16:72-82, 90-100; 17:114-118, 148-154, 159-167, 200;
18:173, 240; 19:49-50, 80-86; 20:44, 118-125, 189;
22:85-89, 157-164; 23:129-136; 24:62-65; 26:78; 28:149,
223; 31:137-142; 32:260; 33:46-47, S21-S22, 92-93. *See*
also Airborne F⁻ occupational
- Environmental*
- geochemistry 32:113-114
- Protection Agency
- scientists, critiques 24:85-89; 30:258-259; 32:179-186
- code of ethics 31:229
- risk control 35:252
- Science, book review 20:99-100
- Environmental Sciences* 24:120
- Enzymatic
- hydrolysis, HPML 6:154-162
- method vs F⁻ electrode 16:51-54
- Enzyme
- activation by fluoride 16:181-186; 18:172
- activity 19:78-79; 30:241; 32:20-26; 34:132-138
35:153-160
- disturbances 2:168-175; 3:121-126; 6:253; 8:134-143
9:42-46; 10:42, 40, 43, 63-72; 13:159; 14:115-118, 182-
191; 16:48-51, 151; 17:81-93; 18:234; 20:71-74, 95, 96,
137-141; 21:5-12, 131-136; 22:78-85; 24:29-39; 26:45-
56; 143; 27:231-232; 32:215-229; 33:17-26, 98, 227-228;
34:81, 82-83
- histochemical study 3:181-187; 8:115; 14:132-141
17:81-93; 28:112; 29:59-62
- inhibition 2:134, 13:122-129; 14:41; 16:181-186
18:71; 28:71-74; 35:62
- kinetic study, GST activity 16:145-151
- Enzymes
- and fluoride review 18:71
- in poisoning 3:181-187; 5:136-144
- Epidemiological
- Assessment, fluorosis distribution 27:57
- methods, Fluorosis Risk Index 24:48-49
28:54-55; 32:34; 33:140-141
- Epidemiology 22:141-142; 28:161, 173; 30:248
31:101, S11; 32:27-32, 36-37, 255, 255-256; 33:41-42, 85,
86, 88, 218, 220-221, 221-222, 222; 34:150, 151-152, 185,
199; 35:57, 133-134, 135-137, 138, 139-140
- of fluorosis 26:234
- Epididymis 28:151; 30:41-50; 31:203-216
- Epinephrine 26:230
- Epistasis, F⁻ resistant mutants 27:165
- Eritrea, Africa 35:211
- Erythrocyte
- membrane fluidity 26:167-176; 27:129-135; 33:87
- protein SH binding site 27:129-135; 28:193-200
- Erythrocytes 5:33-35; 11:159-161; 27:58
- human 4:154-166; 13:80, 117-121; 23:192

- 27:129-135; 28:193-200; 33(3):S6; 34:174-180
- Essential phospholipids 27:201-204
- Estradiol level 34:9-20
- Estrogen
and osteoporosis 14:154; 23:45; 26:74, 152-153
30:119-121, 189; 32:122
deficiency 25:200
replacement therapy, rats 29:108
- Estrus cycle and adenylyl cyclase, rats 19:43
- Ethics of water fluoridation 28:57-60; 87-104; 35:263
- Ethiopia dental caries or fluorosis 12:164; 21:212-213
- Ethiopian rift valley 21:212-213; 34:191-192
- Etidronate and BMD 28:109; 30:245-246
- Europe dental caries 30:129
- European Elk (*Alces alces*) 28:221
- European recommendations dentifrice 35:61
- Evidence-based medicine, osteoporosis 32:129
- Excretion See *F⁻ excretion/Renal F⁻ clearance/Urinary F⁻ excretion*
- Exocytosis 15:4-13; 17:72-80
- Eye damage by fluoride 7:172; 31:S8
- ¹⁸F-fluoride positron emission tomography 33(1):S10-S11
S11, 224-225
- ¹⁸F distribution, rats 14:42, 93
- ¹⁸F quantitative imaging, biochemical pathway 33(1):S10-S11
- F₁F₀ ATPase 25:198-199
- False information 35:244
- Faridabad District, Haryana State, India 26:97-104
- Fast skeletal muscle 27:233
- Fat and F⁻ absorption 7:225-226; 10:92-93; 14:193
- Fatty acid 32:33-34
composition 33:143; 34:80-81, 210
inhibition 6:253
oxidation 7:63
polyunsaturated vs saturated 33:143; 34:80-81
- Fatty acids 5:200-208; 7:64; 10:5-12; 20:113-117
21:127-130; 25:77-84, 149-154; 32:104-105
- Faunal succession, sand-mining, Australia 30:240
- Fecal F⁻ excretion, soil F⁻ bioavailability 22:188-194
- Female rats 26:57-60; 33:79-84
- Femoral
bone 32:47-54; 33(1):S2
mechanical penetration tests 34:236-241; 35:247
cortex, healing a bone defect 27:53
neck BMD vs cortical bone F⁻ 34:227-235
- Femur fluoride 33:33-38
- Fertility
impairment reversible 25:71-76
reduction 33:128-134; 34:196
- Fertilization 4:167-171; 20:38
- Fertilizer
and fluoride accumulation 2:222-228; 4:80-84
31:S4; 32:67-70; 34:280
fluoride content 4:80-84; 143-146; 5:102; 7:220-222
8:25-33; 17:193-196
manufacturing 8:25-33
- Festuca rubra* 11:179-186; 15:56-63 (cn 223)
- Fetal
bone fluoride 19:18-22; 27:151-154; 28:219
development,
rabbits 23:189
rats 23:189; 29:102
fluoride status 29:185
- Fetotoxicity 6:67; 33:79-84
- Fibroblast cultures 35:104-109
- Fibrogenic activity, phosphorites 22:24-28
- Fibronectin 35:60
- Field vole (*Microtus agrestis*) 15:56-63 (cn 223); 21:210
29:128; 30:240-241
- Finland
dental caries 22:207; 23:144-145; 32:33; 33:140; 34:76
dental fluorosis 8:243-244
environmental fluoride 10:93-94
hip fractures 19:51-54; 20:1-3 (cn 63), 36-37; 32:255-256
- Fir needles 6:73-78; 7:78-84; 9:63-70; 11:68-75, 186-197
13:105-115
- First messenger 35:244
- Fish
bioassay, F⁻ toxicity and soft water 24:76-83
egg F⁻ content 20:38
fluoride content See *F⁻ in fish studies* 13:70-75, 117-121; 14:115-118; 16:48-51, 60-63
243-246; 17:105-107; 18:104-110; 19:58-60, 121-123;
20:84-91; 21:131-136; 24:76-83
biochemical variations 13:70-75, 117-121; 14:115-118
16:48-51, 60-63; 17:224-233
- Fissure sealants See *Pit and fissure sealants*
- Florida citrus (pollution) 2:97-105; 5:145-163
- Flox, Expal exposure 3:160-161
- Fludeoxyglucose F 18 33:224-225
- Fluid intake in
children 3:12-18; 22:98; 24:51-61; 28:168; 34:189
soldiers 32:60-66
- Fluorapatite 19:193; 26:156; 27:109, 110, 171; 28:41
164; 29:49; 35:261
- Fluorhydroxyapatite 33(3):S1
fluoride release 28:171; 29:118-119
- Fluoridated
apatites,
crystallinity pattern 23:98; 31:S30
physicochemical properties 26:208-209; 34:203
carbonated apatites, CO₃AP vs HA_p 19:65-70
composites and caries 26:161, 292
milk 20:171-176; 30:116-117; 34:186-187
35:131, 137-138
salt 24:126; 26:159; 28:154; 29:127; 30:233-239; 32:111
sucrose, rat caries 22:145; 29:51
sugar 29:52, 53, 120-121
toothpaste See *F⁻ prophylactics, dentifrice*
toothpicks 28:172
water See *Fluoridation vs spring water, rats* 31:100-101

- and cut flowers3:45-46, 66-71; 4:30-36
intolerance study7:146-152 (cn 227)
- Fluoridation 7:166-167; 10:141-144; 18:1-3; 22:147; 27:1
28:121-122; 29:114; 30:67, 113, 125, 260, 274; 31:53, 61-
73; 152, S8; 32:193-198; 34:220, 272-274; 35:141-142,
245-246, 249, 259-260
21 city survey 27:13-22, 37-44, 45-48, 174-179
a change of mind..... 31:103-118 (cn 170), 119-126
(cn 32:44), 127-128, 235-244
a fresh perspective 34:1-6
accidents 1:123; 7:173; 13:139, 170-171; 15:169-172
22:45-46; 27:32-36; 163-164; 30:89-104; 31:48-49
- Fluoridation and
"Authoritative reviews" 26:240
blood-lead levels 33:88-89; 34:150-151
bone fractures 19:51-54; 20:1-3 (cn 63), 36-37
22:133-136; 25:1-4, 47-48, 48-49, 49-50, 161, 162-164;
26:234, 274-277, 287; 28:43, 56; 29:112, 252-253, 253;
30:122-123; 31:149, 149-150; 33:1-5, 39; 151-152
bones..... 5:229-231, 231-232; 6:69-70; 10:22-27; 14:14-21
144; 19:149-150, 155-156, 188-189, 197; 20:151-153;
28:155; 30:179-185; 31:166-169; 32:123-124
cancer..... 10:95-101, 102-123, 124-125; 17:63-71
26:66, 67, 68, 79-82, 83-96; 27:237; 29:101-102; 31:S12;
34:184, 199, 199-200, 200-201
caries 3:71-79 (cn 203); 6:49-55, 57-63; 8:55-56; 9:124-
126, 163-164; 14:123-128 (cn 15:49); 19:44-45, 45-47,
98-100; 20:51-53; 21:1-4, 45-46, 105; 22:40-41, 53-58,
141-142, 150-151, 154, 205, 207; 23:50, 55-67, 104-111,
144-145; 24:124; 26:125-134, 155, 234, 263-268; 27:13-
22, 37-44, 45-48, 59-66, 108, 180-182, 237, 239-240;
28:118; 30:193; 31:171-174, 219-220, 232-234; 32:33,
39, 111-112, 117-118, 199-200, 255, 256-257 (cn 33:98);
33:40-41, 41, (1)S20-S21, 221-222; 34:74-75, 150; 35:1-
4, 133-134, 135-137
dental costs 31:S14
dental fluorosis 14:123-128 (cn 15:49) 17:234-242
(cn 18:121); 18:30-36, 131-134; 21:49-50; 22:93; 23:50,
104-111, 180; 24:124; 25:94; 26:231-232, 279-281;
27:54-55, 57, 241-242; 28:54-55, 163, 173; 30:115-116,
Fluoridation and dental fluorosis cont'd 30:116; 31:54
103-118 (cn 170); 32:37-38, 38-39, 39, 117-118, 256-257
(cn 33:98); 33:41, 219-220, 220; 34:150; 35:1-4, 58, 133-
134, 135-137, 204-205, 205-206
- Fluoridation and
dental restorative care..... 22:149
fluoride
in teeth 7:166-167; 9:163-164, 166; 13:85; 19:169-172
20:150; 22:97-98; 28:164; 29:186; 30:71-72, 136-138
intake 2:243; 4:44-48; 6:78-83 (cn 184); 7:224
8:242-243; 12:54; 13:43-44; 14:1-3; 17:140, 142, 145-
147, 204; 22:43, 95-96, 98; 24:1-10, 51-61; 25:95;
28:117; 30:126-127, 197-199; 32:259
health 1:94-102; 7:47-52; 9:36-41; 10:165-169
13:141, 168-169; 16:139-145 (cn 242), 192; 21:109-112;
22:45-46; 25:159-160; 26:144, 267-273, 278-279, 279-
281; 30:134-135; 31:13-20
heart 7:1-3, 52-57; 8:114-115
hemodialysis 4:114-128; 8:118-119; 10:22-27; 15:35-43
hip fracture *See Fluoridation and bone fractures*
orthodontic problems 23:100
plasma fluoride 8:198-207; 9:218-219; 14:4-9
(cn 18:226); 16:192
salmon species 27:220-226
silicofluorides 34:161-164
Sudden Infant Death Syndrome ..30:130, 131-133, 199-202
tooth surface progression 34:152-153
urinary F⁻ 31:S16; 32:27-32; 33(1):S5-S6
- Fluoridation and water quality 21:106
- Fluoridation
authoritarianism *vs* scientific evidence 31:129
benefits and risks 22:1-4; 28:87-104
Brazil symposium 22:1-4
breaking ranks 32:45-46; 34:1-6
controversy 23:150; 24:124; 30:115-116
critiques27:37-44, 45-48, 174-179, 239-240; 28:105-106
30:268-269; 31:57, 57-58, 119-126 (cn 32:44), 127-128,
149-150, 246
- Fluoridation cont'd*
discontinued.....27:49; 31:171-174; 32:33
33:40-41, 41, 140, 221-222; 34:74-75, 76, 152-153
Economic evaluation24:130 (cn 25:164)
Errors and Omissions 23:1-4, 55-67; 29:99-100
ethics 28:57-60, 87-104; 35:263
fallacies22:154; 23:1-4
hypothesis unconfirmed..... 23:43; 24:46
in
Australia 21:51-53 (cn 136); 31:232-234
China 19:169-172; 21:163-166; 27:49; 30:115-116
116; 34:201; 35:1-4
Europe 31:171-174
Finland 22:207; 23:144-145. *See also Kuopio*
Holland 6:49-55, 57-63; 21:109-112; 27:123
28:119-120
New Zealand..... 19:98-100; 20:45-46; 26:125-134
28:33-36, 105-106, 213, 214; 32:199-200
killing the messenger28:178-179; 29:47
missing evidence revealed 30:205-206, 261-266
31:158-165, 166-169, 222, 246
opposition, EPA scientists 32:179-186. *See also*
Environmental Protection Agency
overfeeds*See Fluoridation accidents*
review3:71-79 (cn 203); 20:51-53; 22:53-58, 95-96, 154
24:124; 28:209-212; 29:252-253; 30:179-185; 31:103-118
(cn 170); 235-244; 34:150
safety 8:41-47; 17:145-147; 23:43; 29:187-188; 31:59-60
Science or Swindle? 21:45-46; 31:103-118 (cn 170)
Scientific knowledge in Controversy,
book review 25:51-52; 26:135-139
The Great Dilemma, book notice 12:52-54
The Greatest Fraud, book review29:99-100
Time for a new base line? 21:105
trials 3:71-79 (cn 203); 22:53-58; 24:124; 27:13-22

- Fluoridation USSR decree 22:48-49
 Fluoride 33:95-96, 96-97
 Fluoride 35 years 35:213-227
 Fluoride *cont'd*
 a toxic substance 30:141
 absorption 3:41-42; 6:151-154; 7:60-61; 10:92-93
 94, 145-146; 12:107-108, 165-166; 13:172-173; 14:75-
 86, 145; 16:54-60; 17:131-138, 200, 264-265; 18:127;
 21:167-170, 214; 23:48, 148, 175-178, 187-188; 26:148,
 216; 27:185-188; 28:3-9
 inhibiting factors 5:74-81; 10:147; 12:105-106
 14:95; 18:128; 21:193-200; 22:42; 23:148-149; 25:197,
 198; 26:225; 28:153, 153
 accumulation
 and age 9:73-90; 11:186-197; 12:33-38; 13:100-104
 15:137-143; 17:246-251; 29:131-134; 34:211-212, 217
 in
 nails, biomarker 22:169-173; 23:175-178; 25:96
 29:163-165; 35:185-192
 vegetation 2:222-228, 229-235; 3:40-41; 15:144-149
 18:15-22; 19:14-18; 25:115-122; 26:23-32
 adsorbance by bone, experimental 29:135-138
 adsorption 29:135-138; 35:122-129, 253-254
 aerosol inhalation 17:119-123; 31:S8; 32:153-161
 33:159-167
 analysis *See F⁻ determination*
 Fluoride and
 adenyl cyclase, review 6:19-32; 16:181-186. *See also*
Adenyl cyclase
 adrenal gland 34:79-80
 experimental 12:65-71; 13:4-9, 88-89
 148-151; 26:45-56, 76
 arthritis 4:64-79; 5:209-212; 8:56-57, 177; 9:19-24
 19:189 22:100, 157-164; 34:274
 autism: is there a connection, letter 33:99-100
 blood
 clotting, review 10:29-33
 parameters 2:33-36; 3:42-43; 4:85-88; 7:88-93
 14:195; 19:26-32; 24:66-70; 34:103-107, 174-180
 experimental 2:181-182, 241-242; 4:154-166
 5:33-35, 35-37; 6:181-183; 9:173-184; 11:157-159
 Fluoride and blood parameters, *cont'd*
 experimental 12:136-143; 13:117-121; 14:38-41
 96-97, 101, 115-118; 16:129, 132, 152-161; 19:58-60;
 22:112-118, 145-146, 165-168; 24:123; 30:51-58, 105-
 109; 31:224; 33:33-38; 34:126-131; 35:81-89
 fluorosis 1:113-116; 12:100-102; 14:38-41; 25:23-36
 Fluoride and
 bone *See also Bone/F⁻ and osteoporosis/Fluoridation/
 Osteomalacia/Osteosclerosis/Water F⁻*
 review 10:22-27; 11:151-155; 12:195-208; 17:1-3
 19:51-54; 105-107, 197; 20:1-3 (cn 63), 151-153;
 22:10-19, 206; 26:274-277; 28:220-221; 31:177-182;
 33:1-5; 34:91-94
 bones 3:163; 5:166-167; 6:183-184; 8:118-119; 14:44-45
 172-181; 17:202; 19:149-150; 20:36; 25:1-4, 48-49, 50;
 28:107; 31:221; 32:7-13, 36, 255-256; 34:211-212, 213,
 227-235; 35:245-246
 experimental 2:106-115, 125-127; 3:167-174, 175-181
 204-207; 4:154-166, 180-183, 183-188, 190-193; 5:25-
 26, 27-28, 182-198; 6:118-119, 151-154, 251-252;
 8:163-172, 9:47-53, 213-214; 10:82-86; 11:101-103;
 12:124-128; 13:129-138; 14:21-29; 15:173-177, 191-
 198; 16:23-33, 33-37, 106-111, 131, 162-168, 169-174,
 174; 17:107-114, 139; 18:128, 135-140, 187-197, 203-
 207, 216-220, 229-230, 237; 19:41-42, 196; 20:104-
 108; 21:76-81; 22:151-152; 23:27-30, 37-42, 68-79;
 24:17-22, 129-130; 25:200, 201, 203, 204; 26:72, 146,
 222, 226-227; 27:53, 120-121; 28:156, 157-158, 159,
 160, 219; 29:108, 108-109; 30:113-114, 245; 32:47-54,
 125-126; 33(1):S2, S2-S3, S15-S16; 34:236-241
 brain effects 28:189-192; 29:101, 190-192; 31:S13
 33:74-78
 experimental 19:108-112, 27:232; 28:151-152
 31:91-95, 96-99, S23, S24; 32:33-34; 33:17-26, (1)S8,
 S14-S15; 34:80, 82, 84, 108-113, 165-173; 35:132,
 197-203, 204
 review 27:164; 29:57-58, 230-236; 31:59-60
 89-90; 33:49-51
 Fluoride and *cont'd*
 calcium 2:190; 3:164-166; 5:213-219, 227-229; 6:183-184
 7:109-110; 8:34-38; 11:104-105; 12:58-64; 213; 13:42-
 43, 86-87; 14:95, 101; 17:53-54, 131-138; 19:39, 169-
 172; 20:36; 23:186; 24:47-48; 25:50; 27:59-66; 29:107;
 30:66, 77-80; 31:100, 131-136; 33:225
 experimental 2:153-156; 3:175-181; 6:251-252, 253
 7:58-59, 112-114; 8:163-172; 9:213-214; 12:144-154;
 13:30-38, 129-138; 15:64-69; 16:23-33, 130, 130-131,
 190-191; 17:59-60, 72-80; 18:41-46, 128, 179-180,
 216-220; 21:45; 22:146; 24:29-39; 25:197, 198; 26:45-
 56, 72; 27:67-75, 205-214; 28:75-86; 30:41-50;
 33(1):S6-S7, 144-145; 34:9-20, 21-33, 154, 206, 206-
 207; 35:210-211
 in vegetation 2:188; 3:107-108; 7:78-84; 8:208-223
 11:68-75, 186-197; 14:30-38; 15:144-149; 19:138-146
 review 26:237-239
 skeletal fluorosis 1:76-85; 2:142-152; 3:213-219
 4:64-79; 5:115-125; 6:143-151; 7:200-208; 11:120-124,
 166-170; 12:195-208; 13:10-16, 49-57; 17:9-14;
 18:198-203; 19:184-187; 23:122; 26:282; 29:20-24;
 30:68-69
 cancer 10:102-123; 26:144-145; 29:252; 33:86; 34:184
 199, 199-200, 200-201. *See also Fluoridation/Water F⁻*
 review 2:136-140; 5:169-171; 10:95-101
 24:85-89; 26:69-70; 29:237-240 (cn 30:74)
 children's health 2:33-36; 3:42-43
 4:85-88, 194-198, 204-209; 7:88-93; 15:21-25; 19:35-36;
 20:93-94, 154-161; 28:189-192, 223; 29:104-105, 190-
 192; 32:256; 33(1):S19-S20
 chromosome aberrations 2:76-84; 3:192-200
 6:179-181; 8:47-50 (cn 120), 52-53; 10:157-164; 11:37-
 38, 156; 13:87-88; 15:110-118; 17:261-262; 18:62-63;
 19:95; 22:207-208; 26:23-32; 28:114, 150, 180-188;
 29:43; 30:153-156; 32:98; 33:154-158; 35:251

- collagen,
 experimental 6:251-252; 15:177-190, 191-198
 17:139; 21:28-31; 23:171-174; 33(1):S25; 35:90-103
- Fluoride and cont'd*
- collagen, review 12:111-113; 16:137-138; 17:1-3
 dental caries 4:172-175; 5:31-33, 167; 6:248-251
 8:55-56; 9:124-126, 163-164, 216-217; 14:44-45, 123-
 128 (cn 15:49), 129-131; 15:164; 16:134-135; 17:57, 58-
 59; 18:122, 176-177, 232; 19:45-47, 47, 98-100, 102-103;
 20:171-176, 190; 21:1-4; 22:204; 23:50; 24:124; 25:206;
 26:125-134, 158, 161-162, 162-163, 231-232, 263-268,
 289; 27:59-66, 234-235, 238; 28:55, 116, 169, 172;
 29:49, 116-117, 122-123; 33:88; 35:249. *See also Car-*
ies/Fluoridation/F⁻ prophylactics/Water F⁻
 review 2:116-119, 236-240; 3:71-79 (cn 203)
 17:61-62; 19:44-45; 22:154, 205, 26:288; 27:108, 236;
 28:146-148, 170, 216; 29:97-98, 119, 124, 125; 32:111-
 112, 112-113, 126; 35:59
 dental fluorosis, experimental 4:147-148; 14:182-191
 15:64-69, 107; 18:171, 221-226; 19:101-102, 196;
 20:149-150; 22:112-118; 23:141; 26:228; 27:119, 120;
 156-162; 30:240-241, 246; 34:71
 dermatological effects 2:37-39, 40-48, 132-133, 191
 206-213, 214-221; 3:4-5; 5:14-17; 8:174-175; 9:36-41,
 121; 10:1-4, 29-33, 39, 40-41; 11:100-101; 13:141;
 14:128; 19:49-50; 22:45-46; 26:267-273
 diabetes 8:117-118, 198-207; 34:79
 experimental 15:214-221; 26:215; 29:182, 183
 30:51-58; 31:33-42; 32:121-122; 33:97-98
 Down's Syndrome 8:1-11 (cn 120); 30:113; 31:61-73
 fatalities ... 1:94-102, 103-109, 110-112; 3:80-84; 4:102-108
 (cn 209); 5:168; 11:39-40, 163-165; 12:55-57; 14:55, 146;
 16:256-258; 17:205; 19:100-101; 20:40-41; 23:179, 179-
 180; 24:126; 27:32-36, 163-164; 28:42, 111
 fertility 27:231-232; 34:196. *See also F⁻ and reproductive*
effects
 experimental 6:66; 10:41-42; 13:160-162; 18:233-234
 19:154; 22:165-168; 24:29-39; 25:71-76; 28:49, 75-86,
 150; 31:143-148, S26, 203-216; 33:128-134; 34:242-249
 review 29:230-236
- Fluoride and cont'd*
- gastric effects 10:149-151; 22:45-46; 23:48; 25:5-22
 27:32-36, 163-164; 28:48; 31:13-20, 48-49; 32:60-66
 experimental 7:225-226; 17:178-182; 18:127; 19:96
 20:71-74, 183-188; 24:49, 123; 29:13-19; 30:187;
 31:50; 35:28-37
 skeletal fluorosis .. 8:61-85; 10:125-136; 26:97-104; 31:47
 heart 3:80-84; 4:194-198, 204-209; 7:52-57; 8:114-115
 14:146; 19:39, 49-50; 24:121; 30:16-18, 81-84 (cn 194);
 31:S22
 experimental 2:153-156; 4:154-166, 199-204; 5:38-40
 18:67-68; 20:84-91; 22:46-47; 31:26-32; 100-101;
 34:43-50
 review 7:1-3
 hemodialysis 1:94-102; 4:39-40, 114-128; 6:183-184
 7:117; 8:118-119, 198-207; 10:22-27; 14:96; 15:35-43;
 23:44-45; 27:167; 28:42; 30:63, 64, 249, 249-250;
 31:226; 32:107; 34:213; 35:258
 IQ *See F⁻ and brain/Intelligence Quotient*
 kidney 6:64-65; 12:5-8; 14:96, 141; 17:201
 19:34-35, 35-36; 28:40
 experimental 5:46-48, 48-50, 50-53, 98-99; 7:169-172
 11:41-42, 106-107; 12:100-102; 13:163-167; 15:132-
 136, 157-161; 16:133, 174, 187; 17:81-93; 19:152;
 20:41-42; 21:32-38; 26:105-110, 222; 31:151, S26;
 32:121-122, 243-247, 263; 33(1):S6-S7, 210-217;
 34:80-81, 206; 35:38-50, 207
 review 7:93-105
 skeletal fluorosis 9:33-35; 13:10-16; 17:35-41
 19:166-168; 22:208
 liver, experimental 5:38-40; 10:42, 40, 43; 11:25-28
 12:172-176; 14:119-123, 15:162; 16:133, 145-151; 17:81-
 93; 18:70, 146-149; 19:108-112, 152; 21:32-38; 26:45-56,
 78, 105-110; 28:112; 30:157-164; 31:S26; 32:215-229,
 243-247; 33:6-16, 27-32, (1)S7-S8, S9, S28-S29, 143,
 182-186; 34:21-33, 34-42, 80-81, 82, 108-113, 132-138;
 35:250
- Fluoride and cont'd*
- magnesium 5:213-219; 8:34-38; 11:104-105, 208; 19:39
 155-156, 184-187, 189; 23:186; 28:109; 33(3):S5-S6
 experimental 3:103-105; 5:43-45; 7:112-114
 11:41-42, 14:142; 18:124-125, 135-140
 review 2:185-187; 14:142; 28:175-177
 skeletal fluorosis 2:142-152
 muscles,
 experimental 5:43-45; 7:177-181; 9:9-17; 21:213
 22:72-77; 24:123; 26:45-56; 27:205-214; 29:59-62;
 32:215-229; 33:17-26; 34:21-33, 210-211
 skeletal fluorosis 9:9-17, 30-32; 14:94-95
 11:33-36 (cn 155); 19:181-183; 33:224
 mutagenicity 27:215-219; 34:83
 experimental 2:76-84; 3:192-200; 4:25-29
 6:113-117, 179-181; 8:47-50 (cn 120), 52-53; 10:157-
 164; 13:87-88; 19:45, 95; 22:47, 207-208; 23:83-91;
 26:23-32; 28:150, 193-200; 29:184; 34:83
 review 22:95
 myeloma 5:226-227
 osteoporosis treatment 2:125-127; 3:209, 211
 5:54-55, 182-198, 227-229; 7:109-110; 10:43-44; 11:104-
 105; 12:211, 213; 13:86-87; 14:55, 101; 15:105, 223;
 16:65, 188; 19:38-39, 194-195; 22:147-148; 23:45, 139,
 139-140, 140, 187-188; 24:44, 47-48; 25:45, 46, 92, 93;
 26:71, 74, 149, 150-151, 152-153, 232, 285; 27:111, 167-
 168, 172-173, 229; 28:42-43, 46-47, 155, 156, 157, 222;
 29:38, 38-39, 107, 112; 30:123; 31:100; 32:124-125
 adverse effects *See Hip fractures/Osteoporotic fractures*
 review 3:164-166; 6:123-126; 7:65-68, 105-108
 11:151-155; 16:1-4, 189-190; 22:10-19; 23:51-54;
 24:45, 50; 25:47, 162-164, 202-203, 203; 26:72, 152-
 153; 27:227-228; 28:44, 46, 56; 29:36-37, 42; 30:117-
 118, 121; 31:S19

- risks and benefits.....23:49; 25:202, 202-203; 34:71-72
skeletal response.....21:48-49; 22:10-19; 24:129
25:202, 202-203; 31:S22
- Fluoride and cont'd*
- parathyroid,
experimental 5:182-198; 12:124-128; 15:53, 208-214
16:33-37; 21:45
skeletal fluorosis.....4:64-79; 5:115-125; 7:200-208
208-219 9:91-98, 185-200; 11:115-119;13:17-19;
34:156; 35:246-247
phosphorus interactions, review..... 25:99-100
placenta.....6:67; 8:52, 178-181, 241; 12:58-64
13:143; 26:234-235; 31:131-136
plants 1:38-40; 2:222-228, 229-235; 6:33-40, 162-178
7:31-35, 69-77; 9:204-212 (cn 10:44); 11:1-3, 68-75, 76-
88, 179-186; 14:30-38; 15:144-149; 16:111-117, 220-
228; 18:72-79; 19:150; 20:177-182; 24:109-113; 25:175-
182; 33(1):S33-S34. *See also Fluoroacetate and plants/
Environmental F⁻*
review22:51-52; 23:5-19; 26:3-22
Repetitive Strain Injury 19:155-156, 188-189, 189, 190
21:161-162
reproductive effects26:223-224; 29:254; 30:68. *See
also F⁻ and fertility*
reproductive effects/organs, experimental 4:167-171
10:41-42; 16:37-43; 18:233-234; 19:154; 22:78-85, 165-
168; 25:149-154; 26:148; 27:7-12, 67-75, 76-80; 28:75-
86, 125-127, 151; 29:102, 182, 183-184, 217-226; 30:41-
50; 31:49, S27, 203-216; 32:162-170, 204-214; 33:79-84;
34:9-20, 184-185, 186, 206-207; 35:131, 153-160
respiratory effects..... 4:149-150; 6:122, 138-142; 9:165
10:125-136; 12:214-215; 16:72-82; 17:119-123; 18:157-
162, 240; 19:49-50; 20:44, 93-94; 24:90-94; 26:141, 223,
229; 28:114, 223; 29:33-35, 104-105, 255; 31:225-226;
32:260, 261-262; 33:46-47, 159-167
Sister Chromatid Exchanges
experimental..... 17:261-262; 19:95; 24:45-46
27:110-111, 28:149, 150, 158; 29:43-44, 183; 31:151
human..... 27:215-219; 28:125-127, 149; 29:43-44
30:153-156; 33:154-158
skin.....*See F⁻ and dermatological effects*
Fluoride and cont'd
soft tissue
experimental 19:121-123; 24:123; 27:205-214
review 18:53-61
skeletal fluorosis29:63-71
thyroid..... 5:213-219; 14:143; 31:S18
experimental 8:191-198; 12:100-102; 18:111-117
21:32-38, 127-130; 23:68-79; 26:191-196; 34:126-131,
165-173
review 2:192-194, 9:29-30, 105-116
skeletal fluorosis 2:195-200, 200-205; 4:64-79
7:208-219; 29:63-71
trace elements, experimental2:176-180; 3:49-53
14:107-112; 16:68, 187; 17:81-93; 25:97
Fluoride and wheat yield 1:27-33; 3:137-142; 4:21-24
25:115-122
- Fluoride
antidotes.....*See F⁻ toxicity antidotes/Fluorosis antidotes*
balance studies..... 6:78-83 (cn 184); 8:245-247
9:98-104, 138-146; 11:101-103; 104-105, 208; 13:30-38,
129-138; 14:94-95; 15:49, 75-78; 17:53-54; 25:197;
27:234; 30:165-172; 32:103-104; 34:126-131
binding..... 19:86-89; 20:109-112; 23:100; 25:85-91
27:145-150; 28:110-111; 33:115-120; 34:77
bioavailability21:214; 22:42, 188-194; 23:148
26:285, 286; 34:77
food influence 23:148-149; 35:62-63
biomarkers (bioindicators) 32:27-32, 257, 263
33:149-150; 35:185-192. *See also Fluorosis diagnostic
indicators*
biomonitoring*See Environmental F⁻/Occupational F⁻*
bridging the gap..... 1:55; 34:221-223; 35:213-227
chewing gum26:290; 27:112-113, 114-115
complexes
and inorganic phosphate 23:182, 183
review..... 14:48
conversion tables, moles to ppm2:183-184
cycles, estuarine ecosystem..... 14:195
- Fluoride cont'd*
dentifrice..... *See F⁻ prophylactics*
determination
aluminum wire electrode 26:163
analysis developments, review 26:197-202; 27:97-107
29:82-88; 31:74-80; 34:114-125
aqueous solutions and carbon treatment26:33-36
biological materials 15:87-96; 19:22-25; 26:205
bone sample weights 23:99
brain and liver 19:108-112
combustion-hydrolysis/F⁻ electrode, corn 26:203
comparison of methods 13:65-70; 16:51-54, 258-259
17:27-35; 19:113-116; 20:30-35; 21:69-75, 171-176;
22:5-9, 108-111, 174-178; 26:203; 32:116-117
deboned meat..... 12:212
deferoxamine, Al(III) masking agent..... 22:66-71
defluoridation experiments..... 29:212-216
drinking water ionic interactions.....21:22-27
emission spectrochemical analysis.....26:204-205
emissions4:5-15 (cn 209), 49-56; 5:84-85; 8:25-33
10:12-13; 13:89; 16:258-259; 18:15-22; 19:124-131 (cn
187); 35:22-27
errors..... 1:2-8, 9-14; 23:99
F⁻ addition to analytic solution..... 24:122
flow injection analysis 19:22-25; 26:206
Gran's method 22:108-111
hair 33:196-204
trace elements 20:162-171
interference..... 4:5-15 (cn 209), 49-56, 57; 11:142-150
22:66-71; 23:20-26; 24:122; 26:206; 32:84-90
inter-institutional measurements.....33:S18
inverted solid state F⁻ electrode 22:5-9
ionic F⁻/total F⁻ 13:65-70; 15:87-96; 17:27-35
19:184-187; 22:174-178

- milk11:142-150; 20:30-35
 nails 22:169-173
 partitioning compounds 1:9-14
 Fluoride determination, phosphoric acid..... 32:84-90
Fluoride cont'd
 determination
 plants 4:5-15 (cn 209); 11:170-178; 16:51-54
 21:69-75; 22:108-111; 32:117
 proton-induced gamma emission 35:176-184, 262
 serum..... 13:65-70; 17:27-35; 29:106; 31:S34
 small samples..... 10:174-186; 22:108-111; 26:205
 35:260-261
 sodium chloride 19:55-57
 tea infusions 23:20-26
 toothpaste 21:171-176
 tree needles 6:73-78
 urinary variations 1:15-20
 urine and specific gravity 14:75-86
 vegetation 9:54-63
 detoxification in living organisms..... 23:151-153
 diffusion 22:150
 distribution*See also Bone/Cementum/Dental tissue/
 Dentin/Enamel/Hair/Soil*
 infants and children 10:187
 tree needles 6:73-78; 7:78-84; 9:63-70
 10:47-62; 11:186-197
 Drinking Ourselves to Death?, book review 34:264-266
 electrode..... 3:12-18, 204-207; 5:229-231; 7:112-114
 8:241; 9:138-146; 10:146-147; 12:38-47, 103-104, 163-
 164, 165-166, 177-182, 212; 13:25-30, 80, 140-141;
 14:21-29, 56-61; 15:35-43, 64-69; 17:173-177; 19:113-
 116; 24:122; 25:111-114; 29:131-134, 151-155
 ion-selective 4:49-56; 7:31-35; 8:176
 9:153-162, 201-203, 218-219; 11:129-134, 142-150;
 12:5-8; 13:65-70, 100-104, 122-129; 14:169-171;
 15:14-20, 21-25, 31-35, 78-81, 87-96, 124-131, 214-
 221; 16:20-23, 51-54, 54-60, 83-90, 152-161, 175-180,
 214-219; 17:14-22, 27-35, 119-123, 131-138, 183-192,
 246-251, 266; 18:4-11, 12-14, 22-30, 30-36, 41-46, 46-
 53, 104-110, 157-162, 163-168, 187-197, 198-203,
 216-220, 228; 19:10-13, 22-25, 55-57, 61-64, 86-89,
 92, 121-123, 138-146, 169-172, 173-180, 184-187;
Fluoride electrode ion-selective cont'd..... 20:24-27, 28-29
 30-35, 64-67, 75-78, 109-112, 154-161, 162-171; 21:69-75,
 171-176, 193-200, 22:5-9, 108-111, 174-178, 23:27-30, 31-
 34, 68-79, 79-82, 83-91, 148-149, 164-170, 25:101-110,
 115-122, 123-128, 143-148, 171-174, 26:33-36, 57-60,
 241-246; 27:89-92, 93-96, 215-219, 28:3-9, 135-145;
 29:129-130, 144-146; 30:19-25 (cn 30:140), 142-146, 207-
 218, 31:188-192, 32:109, 115-116
 Fluoride electrode ion-specific 3:143-152; 4:5-15 (cn 209)
 49-56; 5:200-208; 7:7-31, 36-45; 8:25-33, 34-38, 92-97,
 125-133, 134-143; 9:73-90, 91-98, 98-104; 10:5-12, 12-13,
 14-21; 11:4-13 (cn 155), 186-197, 198-207; 12:9-17, 144-
 154; 13:57-64, 105-117; 14:30-38, 69-74, 75-86, 150-154;
 15:25-31, 43-47; 54-56, 137-143, 173-177; 16:5-10, 90-
 100, 162-168, 229-234; 17:35-41, 107-114, 124-131, 155-
 159; 18:68-69, 80-86, 86-92, 208-211; 19:18-22, 124-131
 (cn 187); 20:18-23, 79-83, 137-141; 21:87-92, 113-120,
 137-141, 167-170, 185-192; 22:24-28, 29-32, 149, 179-
 187, 188-194; 23:119-123, 154-163, 185-186; 24:62-65,
 114-116; 25:37-43, 85-91, 129-134; 28:17-20, 61-70;
 32:41-42
 Fluoride
 emissions *See Airborne F⁻*
 essentiality 6:1-3, 66, 181-183
 7:123-135 (cn 8:57); 10:41-42; 29:129-130; 30:252-257;
 31:153-155; 32:187-190
 excretion 2:13-24; 7:93-105; 8:198-207, 245-247
 9:138-146; 10:92-93, 94, 169-173; 11:101-103, 161-162,
 209-210; 12:5-8, 48-49, 72-75, 100-102, 165-166, 177-
 182, 188-194; 13:172-173; 14:96; 15:49; 16:54-60, 64;
 17:124-131, 131-138, 155-159, 159-167, 201; 18:41-46,
 187-197, 198-203; 19:34-35, 20:41-42, 79-83; 22:188-
 194; 23:147, 151-153; 24:62-65; 28:154, 158; 29:139-
 143; 30:65, 165-172; 32:103-104; 33:33-38, 89-90;
 34:208-209; 35:60. *See also Urinary F⁻ excretion
 and diet* 16:254-255; 17:173-177; 28:61-70
 33(1):S12-S13
 babies 10:169-173
Fluoride cont'd
 fate 4:1-4; 15:173-177
 gels *See F⁻ prophylactics*
 Fluoride in
 air *See Airborne F⁻*
 alcoholic beverages 35:208
 alfalfa 20:14-17
 amalgam 10:174-186
 animal organs 2:13-24, 25-27, 244; 3:49-53, 188-191
 aorta 5:229-231, 231-232; 6:69-70; 9:24-28
 17:246-251; 19:22-25
 aquatic species 2:28-32; 5:82-84; 8:224-240
 14:102-107, 161-168; 17:142; 18:12-14; 28:230
 atheromatous plaques 33(3):S2; 34:210, 217; 35:262
 Australia: A Case to Answer,
 book review 21:51-53 (cn 136)
 beverages 2:243; 3:6-11, 12-18, 41-42; 5:82-84
 8:98-105; 10:187-188; 17:142; 22:98, 149; 32:259
 blood 1:15-20, 76-85; 2:13-24; 4:38-39, 39-40, 64-79
 6:121-122; 8:241; 10:146-147; 12:136-143; 13:30-38, 57-
 64, 129-138; 14:21-29; 15:31-35, 35-43, 43-47; 19:26-32;
 26:57-60; 27:167; 31:S34
 bone *See Bone fluoride*
 bonemeal 13:99; 21:214
 bottled water *See F⁻ in water/F⁻ in mineral water*
 brain 19:108-112; 28:151-152; 33:17-26; 35:258-259
 building materials 7:220-222
 cataract lenses 24:40-43
 cattle 1:41-49; 2:25-27; 3:53-60, 167-174, 188-191
 4:44, 109-113, 147-148; 5:74-81, 111-114; 7:111-112,
 135-142; 10:5-12, 76-82 (cn 148); 11:161-162; 12:100-
 102; 13:57-64, 145-147, 171-172; 14:97, 169-171
 cereals 4:64-79; 8:98-105; 13:43-44
 chicken 13:43-44; 14:41; 17:54-55; 30:250; 34:274-275

- claws 14:21-29
 coal 2:4-12 (cn 2:127); 3:22-26; 7:174-176, 223
 10:47-62; 17:193-196; 18:239-240; 29:77-78, 207-211;
 30:29-32; 31:188-192
- Fluoride in cont'd*
- coffee 16:20-23; 29:147-150
 dairy products 20:39
 deboned meat 12:212; 17:54-55
 dental calculus 33(1):S5
 dental enamel *See F⁻ in teeth/Enamel F⁻*
 dentifrice *See F⁻ intake, dentifrice*
 Dentistry, book review 29:99-100
 diet *See Dietary F⁻/F⁻ intake*
 dog food 14:192-193; 18:233-234
 dogs 12:76-84, 177-182; 14:192, 192-193
 duck weed 24:109-113
 dust 2:206-213, 214-221; 13:105-117; 14:194
 17:193-196; 19:14-18; 20:42-43; 23:101-103; 30:19-25
 (cn 140); 31:137-142
 effluent 19:10-13; 23:35-36
 feces 8:12-24, 245-247; 14:95; 22:188-194
 feed supplements 2:244; 3:36-39; 4:143-146; 7:84-88
 8:56-57; 9:167-168; 12:100-102; 13:57-64; 14:41, 194;
 18:233-234; 20:143-144; 21:102-103
 fish 2:71; 5:82-84; 8:98-105, 224-240; 17:142, 224-233
 18:104-110; 19:152-153; 20:42-43; 25:37-43. *See also F⁻*
in aquatic species
 food 1:27-33; 2:243; 3:1-3, 6-11, 18-21; 4:44-48, 89-92
 5:82-84, 102; 6:4-17, 78-83 (cn 184); 7:114-116 (cn 173);
 8:98-105, 242-243; 9:116-117; 12:54, 212; 13:25-30, 43-
 44; 14:51-55, 91-93; 16:66, 66-67; 17:9-14, 54-55, 140,
 142; 18:46-53, 93-95, 198-203, 239-240; 19:152-153;
 20:42-43; 22:149; 24:114-116; 28:201-202; 29:7-12, 139-
 143; 30:19-25 (cn 140), 26-28, 29-32, 250; 33:43, S37-
 S38, 89-90, 91, 223; 34:155-156, 188, 194-195, 198,
 274-275; 35:62-63, 63, 63-64
 chain 7:181-199; 8:125-133, 224-240; 12:129-135
 15:56-63 (cn 223), 195
- polluted area 2:25-27, 33-36, 206-213
 3:6-11, 18-21, 97-99; 4:44-48, 89-92; 5:89-91; 7:153-
 165; 10:89; 11:129-134; 12:109-110; 14:112-114;
 20:39, 154-161; 21:69-75; 29:7-12, 207-211
- Fluoride in cont'd*
- forage 1:41-49; 2:25-27, 55-59, 222-228; 3:40-41, 53-60
 4:21-24, 89-92; 5:74-81, 111-114; 7:7-31, 181-199;
 10:89; 11:38-39; 13:145-147; 20:42-43; 25:183-190;
 32:74-83; 33:147-148; 34:280
 fruit 1:27-33; 3:18-21, 97-99; 4:44-48; 5:82-84, 145-163
 21:69-75; 29:128
 juices 5:145-163; 10:187-188; 14:143; 22:98
 26:33-36; 30:127 (cn 194), 219-222; 32:41
 trees 2:222-228; 4:21-24; 5:145-163; 10:89, 152-156
 33(1):S24
 grain 3:18-21; 5:89-91; 13:122-129; 14:169-171
 23:143-144; 25:115-122; 31:S4
 grass 5:58-65; 6:127-137; 8:182-191; 9:73-90, 153-162
 10:45-47, 11:179-186; 15:56-63 (cn 223); 20:126-136;
 25:123-128
 groundwater *See Groundwater F⁻*
 gypsum *See Gypsum*
 hair *See Hair F⁻*
 health food/supplements 19:152-153; 21:214
 herbs 6:127-137
 honey 21:113-120; 22:92; 29:54
 insects 6:127-137; 8:224-240; 14:195; 15:56-63 (cn 223)
 kidney stones 4:150-151; 13:1-3, 10-16, 41-42; 24:128
 kidneys 7:93-105; 9:47-53; 35:258-259
 liver 35:258-259
 mammals 7:7-31; 15:56-63 (cn 15:223)
 milk 4:89-92; 12:38-47, 100-102; 13:43-44, 57-64
 14:182-191; 20:30-35, 171-176; 28:10-16, 110-111;
 30:19-25 (cn 30:140); 34:155-156
 maternal 10:169-173; 17:204; 18:238; 19:48
 21:100-101; 28:110-111; 34:155-156
 mineral water 3:6-11, 41-42; 32:36; 142
 nails 2:33-36; 4:85-88; 15:43-47; 22:169-173, 175-178
 23:79-82; 25:96; 29:163-165, 31:221; 35:185-192
 pineal gland 31:S24; 34:152
 plants ... 1:27-33, 34-36; 2:222-228, 229-235; 3:6-11, 18-21
 27-30, 66-71; 6:33-40; 7:7-31, 31-35, 181-199; 8:85-91;
Fluoride in plants cont'd 9:204-212 (cn 10:44)
 11:76-88, 170-178, 179-186; 12:109-110, 15:144-149,
 16:51-54, 235-242, 17:159-167; 18:15-22, 22-30; 19:14-18,
 138-146; 30:188; 35:255-256
- Fluoride in*
- plaque 16:5-10; 26:160-161; 35:131
 plasma *See Plasma F⁻*
 pollen 7:220-222
 rain 2:40-48; 3:22-26, 53-60; 19:14-18; 35:64-65
 raisins 30:142-146
 rice 5:102; 16:175-180; 17:9-14; 18:228; 19:113-116
 20:154-161; 29:7-12, 193-201, 207-211; 30:29-32
 rocks 14:51-55, 182-191
 saliva *See Salivary F⁻*
 salt 5:56-58; 7:114-116 (cn 173), 220-222; 19:55-57
 24:114-116, 126
 efflorescences 19:14-18
 school children... 15:78-81; 19:191; 21:87-92, 167-170, 214
 22:169-173; 23:186; 31:S32; 35:239-243
 seepage water 1:21-26; 4:80-84
 serum *See Serum F⁻*
 skin, rats and mice 2:214-221
 snow 2:25-27, 73; 21:107-108; 32:115
 soft drinks 3:41-42; 10:187-188; 30:219-222, 233-239
 32:41; 33:43-44
 soft tissue *See Soft tissue F⁻*
 soil *See Soil F⁻*
 straw 14:169-171; 23:143-144; 25:115-122
 tea 3:6-11, 12-18; 5:82-84, 172-181; 6:78-83 (cn 184)
 10:137-141, 148; 12:163-164; 14:51-55; 15:156; 16:20-
 23; 17:142; 19:92, 94-95, 152-153; 20:18-23, 42-43;
 22:98; 23:20-26; 24:114-116; 26:33-36; 28:111, 201-202;
 29:144-146; 32:109-110; 33:223; 34:77, 198
 teeth 2:33-36, 120-124; 4:64-79, 85-88; 7:166-167

- 8:55-56, 116-117, 117-118; 9:124-126, 163-164, 166, 217; 10:93-94; 13:85; 15:21-25, 78-81; 18:30-36, 46-53; 19:147, 169-172; 20:171-176; 23:46; 26:157, 160-161; 28:164, 29:186; 30:71-72, 136-138; 33(1):S24-S25,
Fluoride in teeth cont'd 33:(3)S1, S5-S6, S7, S8, S8-S9
 34:217, 217-218, 218, 219. *See also Enamel F⁻*
 animals 1:41-49; 2:13-24, 33-36; 4:147-148; 6:151-154
 9:167-168; 10:147; 11:4-13, (cn 155); 12:100-102; 14:56-61, 192-193; 15:64-69; 17:183-192; 18:169, 171, 237; 19:33-34, 97, 101-102; 21:210; 22:174-178; 23:142, 143-144; 24:123; 25:129-134; 26:211, 212, 213; 27:119; 29:156-162; 31:51-52; 33:S13
 Fluoride in
 tobacco 7:114-116 (cn 173), 153-165, 220-222
 12:33-38; 13:140-141; 23:190
 tree needles 6:73-78; 7:78-84; 9:63-70
 10:14-21, 47-62; 11:68-75, 186-197; 12:9-17, 102-103, 182-187; 13:103-115; 15:14-20
 trees 3:27-30; 6:127-137; 7:7-31, 31-35, 181-199
 8:125-133, 182-191; 29:179, 241-251
 turkey 34:274-275
 umbilical cord 8:54, 178-181, 241; 12:58-64; 21:103
 29:185
 urine *See Urinary F⁻*
 vegetables 14:112-114; 16:175-180; 18:93-95; 19:4-10
 vegetation 1:21-26; 4:30-36; 6:127-137; 7:7-31, 123-135
 (cn 8:57); 8:125-133, 182-191, 224-240; 9:54-63; 10:152-156; 15:56-63 (cn 223); 17:266-267
 18:163-168, 235-236; 22:155-156; 32:74-83
 polluted area 2:25-27, 28-32, 97-105, 188
 3:22-26, 137-142; 5:145-163, 172-181; 7:7-31, 181-199; 9:153-162; 11:211; 12:109-110, 129-135, 182-187; 13:171-172; 14:195; 15:56-63 (cn 223), 124-131; 17:252-258; 18:163-168; 23:187; 29:241-251
 viscera 1:110-112
 volcanic ash 5:58-65
 water 1:94-102, 119-121; 2:28-32; 3:164-166
 151, 154-166, 194-198, 204-209; 5:58-65, 125-130, 213-219; 6:78-83 (cn 184), 123-126, 248-251; 7:123-135 (cn 8:57), 167; 8:34-38, 98-105, 112-113, 154-161, 224-240, 243-244; 9:168-169, 11:107-108, 170-178; 14:44-45, 69-74, 86-90, 102-107, 161-168; 15:25-31, 43-47, 70-75
Fluoride in water cont'd 15:81-87, 87-96, 106; 16:83-90
 101-105; 17:159-167, 266-267; 18:46-53, 69-70, 80-86, 212-216, 239-240; 19:166-168; 20:37, 146-147; 21:22-27, 121-126, 137-141; 22:48-49, 155-156; 23:31-34, 119-123, 143-144; 24:40-43; 27:141-144; 28:17-20, 203-208; 29:7-12, 55, 144-146; 30:26-28, 33-40, 188, S16; 33:39, 86, 90-91, 187-195; 34:189, 189-190, 198-199, 214-215; 35:176-184, 239-243, 262. *See also Borehole F⁻/Geothermal F⁻/Groundwater F⁻/Fluoride in mineral water/Water F⁻*
 bottled 9:201-203; 26:75; 28:112, 218; 29:63-71
 30:219-222; 32:113; 33:142; 34:275-276
 endemic 1:76-85, 113-116; 2:142-152, 200-205
 3:105-106, 208; 4:64-79; 5:21-24, 102, 115-125, 125-130; 6:4-17, 106-112, 143-151; 7:200-208; 8:154-161; 9:19-24, 91-98, 185-200; 11:29-32; 12:38-47, 58-64; 13:25-30, 49-57, 81-85; 14:51-55; 16:66-67; 17:4-8, 9-14, 35-41, 48-52, 155-159; 18:4-11, 140-145, 198-203; 19:151, 173-180; 20:75-78; 21:212-213; 22:99; 25:65-70, 101-110; 27:89-92, 161; 28:203-208; 29:25-28, 151-155, 190-192; 30:29-32, 81-84 (cn 194), 223-228, 233-239; 31:183-187; 33:121-127; 34:61-70
 Fluoride in
 welders 2:13-24; 4:98-100; 18:173
 welding materials 2:13-24
 wild bird eggs 11:198-207
 wildlife 7:7-31; 8:92-97, 125-133, 182-191, 224-240
 9:47-53, 73-90; 10:47-62, 73-76; 11:198-207; 12:129-135; 14:195; 15:56-63 (cn 223); 18:235-236; 21:210; 22:29-32; 28:221; 29:128, 177
 wine 1:56-64; 30:142-146, 274; 32:109
 Fluoride intake 2:33-36, 3:1-3, 6-11; 4:85-88; 5:89-91
 6:78-83 (cn 184); 7:4-6; 8:41-47, 242-243; 12:54; 13:100-104; 14:142; 15:43-47; 16:139-145 (cn 242); 17:140, 142, 145-147, 159-167; 18:69-70; 19:103-104; 23:186; 25:95; 27:162-163; 28:153, 168; 29:52; 30:126-127, 127, 197-199, 219-222, 270-271; 31:61-73, 183-187; 32:257-258; 33(1):S37-S38, 89-90; 34:194-195, 198; 35:63
Fluoride intake cont'd
 Canada 2:243; 4:44-48; 10:137-141; 22:98; 24:51-61
 28:146-148; 30:125-126; 32:259
 China 17:62; 20:144; 21:163-166; 26:207; 28:201-202
 29:7-12, 139-143, 207-211; 30:29-32, 66, 77-80, 115-116; 32:55-59; 34:201; 35:1-4, 255
 dentifrice 22:153; 23:148; 24:114-116
 30:125-126, 126-127, 197-199; 32:259; 33:43, 89-90; 35:63, 63-64
 India 7:114-116 (cn 173); 8:34-38, 154-161; 9:138-146
 12:58-64; 13:25-30; 17:14-22; 25:143-148; 27:59-66; 29:151-155, 193-201; 31:S5
 infants 6:78-83 (cn 184); 9:116-117; 13:43-44
 17:54-55, 60-61, 204; 19:48; 22:97-98; 24:51-61; 25:95; 28:146-148, 169; 29:54, 113; 30:125, 125-126, 126-127, 197-199, 219-222; 31:183-187; 32:108-109; 34:75, 188, 194-195, 274-275; 35:63-64
 review 8:98-105; 18:230-231; 24:1-10, 51-61
 28:117, 215-216; 30:125-126, 252-257; 33:43
 safe maximum 8:105-110
 tea 3:12-18; 5:209-212; 12:163-164; 16:20-23
 19:92, 94-95; 20:18-23; 23:20-26; 24:114-116; 27:160; 28:111, 201-202; 29:139-143, 144-146; 33(1):S37-S38
 Fluoride intake, United States 4:44-48; 7:224, 14:3
 22:43, 97-98; 24:1-10, 51-61; 32:259; 34:75
 Fluoride
 intolerance 1:94-102; 7:47-52, 146-152 (cn 227)
 9:36-41, 121; 10:1-4, 39, 40-41, 165-169; 11:43-45, 100-101; 13:168-169; 26:267-273
 ion microhydration 32:101
 ion-selective electrode *See F⁻ electrode*
 leaching 28:111; 31:188-192; 35:122-129
 measurement *See F⁻ determination*
 metabolism .. 1:14, 38-40; 4:30-36; 6:253; 11:208; 12:58-64

- 13:39-41 (cn 6:184), 129-138; 14:95, 141; 17:124-131, 173-177; 19:34-35; 25:197; 26:151; 27:234; 28:40, 153; 31:151; 32:103-104, 257; 34:250-257
mouthrinse..... See *F⁻ prophylactics*
Fluoride cont'd
physiological role..... 4:109-113
poisoning/intoxication..... See also *F⁻ toxicity poisoning*
acute..... 1:103-109, 110-112, 123; 3:80-84, 133-136 5:101, 168; 6:68-69, 254; 7:60-61, 117, 173; 10:38-39; 11:39-40, 163-165; 12:55-57; 13:139, 170-171; 14:146; 16:256-258; 19:100-101; 20:11-13, 40-41; 23:179, 179-180; 24:126; 27:32-36, 163-164; 28:42, 111, 30:89-104; 31:47-48, 48-49
animals..... 5:58-65; 7:135-142; 8:134-143; 12:76-84
death fog..... 2:62-70
differential diagnosis..... 7:135-142
experimental..... 20:41-42
feed supplements..... 9:167-168; 13:57-64; 20:142 143-144; 21:102-103
industrial..... 13:171-172; 14:97; 19:61-64
symptoms..... 4:102-108; (cn 209); 20:40-41 27:32-36, 163-164; 30:89-104
tests..... 11:43-45, 100-101
treatment..... 5:101; 7:117; 13:96-99, 142-143; 20:11-13 23:179-180
pollution..... See *Airborne/Environmental/Industrial F⁻ prophylactic measures, reviews*..... 16:134-135; 19:44-45 103-104; 26:155, 288, 289; 27:121; 28:117-118, 214, 215; 29:120-121, 125; 30:67, 248; 32:111-112, 112-113, 127, 257-258; 33:44-45, 45, S16, 222; 34:272-274
prophylactics
adverse effects... 9:36-41, 121; 10:39, 40-41; 11:100-101 28:117-118; 30:89-104
cautions/recommendations for use 13:172-173; 15:222 17:203, 205, 264-265; 19:90-91, 103-104; 20:92; 21:167-170; 24:131; 26:288; 27:121, 162-163, 180-182; 28:50, 52, 116, 117, 117-118, 146-148, 215, 215-216; 29:49, 113, 114, 115; 30:67, 89-104, 125-126, 126-127, 127-128, 195-196, 197-199, 248; 31:47-48, 111; 32:115-116, 257-258, 258; 33:43, 43-44, 44-45, 45, 219-220, 222; 34:75; 35:61. See also *F⁻ toxicity dental*
Fluoride prophylactics cont'd
dentifrice..... 4:58-63; 9:121; 10:39, 40-41; 13:172-173 21:1-4, 167-170; 22:43-44, 95-96, 153; 23:148; 24:48-49, 125, 126, 131; 25:204-205, 206; 26:231-232, 289, 290; 27:113, 162-163; 28:50, 52, 215, 215-216; 29:48, 50, 113, 114, 115, 117, 122-123, 124; 30:127-128, 194, 195-196; 31:47-48, 101; 32:34, 35, 123; 33:88, (3)S1; 35:61, 205-206
efficacy..... 5:167; 7:57-58; 9:216-217; 15:222; 18:122 19:44-45, 102-103; 20:95-96, 190; 21:160; 22:43-44, 204; 23:146-147; 24:125; 25:94-95; 26:158, 288; 27:113; 28:172; 29:49, 50, 120; 30:192; 32:119-120; 34:218; 35:58-59, 61
fatalities..... 11:39-40; 12:55-57; 16:256-258; 17:205 20:40-41
foam..... 34:218
gels..... 5:167; 17:264-265; 19:44-45; 23:180; 25:204-205 26:288; 29:49, 120; 31:47-48
mouthrinse..... 9:216-217; 10:89-91; 17:203, 205; 18:122 19:44-45, 102-103; 21:160; 22:204; 23:146-147; 24:131; 25:204-205; 26:75, 289; 27:169-170; 28:52; 29:122-123; 30:89-104, 194; 31:47-48; 34:55-60
pharmacokinetics..... 17:264-265; 27:168
supplements..... 8:55-56; 9:217; 11:43-45, 100-101; 12:55-57; 14:42-43; 15:222; 16:54-60, 256-258; 17:57, 58-59; 18:232; 19:44-45; 20:40-41; 21:101; 22:205; 23:50, 123-128; 24:124, 131; 25:206; 26:156, 288; 27:54-55, 114-115, 121, 162-163, 168; 28:52, 54-55, 116, 117-118, 146-148, 215, 215-216; 29:114, 122-123, 123, 125-126; 30:67, 127-128, 192; 31:47-48, 54, 101, 170; 32:34, 36-37, 108-109, 110-111, 111, 112-113, 127, 193-198, 257-258; 33:43, 44-45, 45, 141-142; 34:75; 35:205-206, 212
topical. 4:58-63; 7:57-58; 16:134-135; 18:178; 19:45-47, 47 191; 20:95-96, 190; 22:205; 23:180; 25:204-205; 26:158, 162-163, 288, 289, 290; 27:54, 113; 28:172; 29:120; 30:194, 32:126; 34:272-274; 35:58-59, 249, 249-250
Fluoride prophylactics, varnish..... 18:122, 178; 22:204 25:94-95; 26:289; 34:76
Fluoride
releasing device..... 27:112-113
resin, acute lung injury..... 32:122-123
resistant mutans..... 27:165. See also *Streptococcus mutans retention*..... 3:41-42, 53-60; 7:36-45, 93-105; 8:245-247 10:92-93; 11:209-210; 12:107-108; 15:35-43; 16:64, 65, 192; 17:203, 264-265; 18:41-46; 19:35-36; 22:146; 25:204-205; 27:113; 31:151; 33:33-38
risk control, USEPA..... 35:252
salts, electrokinetics..... 30:250-251
sensitive enzymes..... 2:134
standard in drinking water, USA..... 31:229
standards, tolerance..... 3:53-60; 5:111-114; 7:84-88 13:57-64, 145-147; 14:97, 161-168, 194; 17:41-47; 20:101-103, 143-144; 31:S6
supplement ban..... 35:212
supplementation, leukemia..... 29:181
supplements..... See *F⁻ prophylactics surfeit*..... 18:230-231
synergism..... 5:92-97, 169-171; 7:123-135 (cn 8:57) 16:220-228; 19:78-79; 27:205-214; 28:37-38; 29:41
synergism..... 156-162; 30:29-32, 81-84 (cn 194), 85-88 (cn 194), 105-109; 32:243-247
Teeth and the Atomic Bomb..... 30:261-266
The Aging Factor, book review..... 27:122
The Freedom Fight, book review..... 21:109-112
therapy..... See *F⁻ and osteoporosis/Otosclerosis*
tolerance..... 13:46-48, 86-87; 20:101-103 in plants... 1:34-36, 37, 38-40; 4:21-24, 30-36; 11:179-186 15:149-156
toothpaste..... See *F⁻ prophylactics, dentifrice toxicity*..... 22:72-77; 25:175-182; 26:143, 148; 27:231-232 29:77-78, 102, 254-255; 30:50, 51-58, 248; 31:26-32; 32:256, 259-260; 33:17-26, 79-84; 34:72-73, 79, 79-80,

- 80-81, 81, 82, 150, 186, 207-208; 35:12-21, 132, 133, 204, 207, 209, 256-257, 259-260
acute 2:244; 33(1):S7, 182-186; 34:43-50
mice LD50 18:169-170; 20:68-70
- Fluoride toxicity cont'd*
- algae/cyanobacteria 33:55-65
ameliorating/reversible effects 1:49; 11:159-161
12:105-106, 144-154; 18:128, 135-140; 19:155-156;
21:193-200; 23:37-42; 24:29-39; 118; 25:71-76; 26:45-
56, 210; 27:67-75, 205-214; 28:75-86, 150; 29:59-62,
217-226; 30:41-50, 68-69; 31:143-148, S26, S27, S29,
203-216; 32:162-170, 204-214, 215-229; 33:6-16, 27-32,
33-38, (1)S6-S7, S7, S7-S8, S8, S28-S29, S29; 34:9-20,
21-33, 82-83, 84, 132-138, 154, 184-185, 208-209, 210-
211; 35:51-55 (cn 142), 131, 161-167, 168-175, 210-211,
251, 251-252
- and
- F⁻ metabolism, book review 30:110-112
hydrogen bonding 14:98
urinary F⁻ 14:147-149; 17:207-209
- antidotes... 12:136-143; 172-176; 13:30-38, 96-99, 129-138
14:21-29; 15:75-78; 18:187-197; 24:29-39; 30:165-172;
34:9-20, 206, 206-207; 35:250
- aquatic life 20:84-91; 28:230
- bone resorption 20:151-153
- chronic 1:94-102; 2:140-141, 206-213; 6:122
7:47-52, 172; 12:49-51; 15:25-31; 19:155-156; 25:195;
26:76; 28:49; 33:66-73 (cn 148); 35:197-203
- dental products 18:169-170; 19:103-104; 30:89-104
31:47-48; 32:125
- diagnostic indicators 3:109-112; 14:1-3; 16:195-197
- factors, fluorosis 1:65-75, 76-85; 6:4-17; 17:14-22
18:127; 30:66
- hematopoiesis 33:168-173; 34:258-263; 35:231-238
- non-skeletal manifestations 1:94-102; 2:206-213
9:1-4, 5-8; 13:168-169; 14:1-3; 16:72-82; 26:97-104. *See*
also Skeletal fluorosis symptomatology
- pre-skeletal phase 5:209-212; 7:47-52, 118-122
- 10:165-169; 12:3-4, 102-103, 169-171, 214-215; 14:1-3,
172-181; 18:86-92; 19:190; 31:13-20
- reversible effects *See F⁻ toxicity ameliorating/reversible*
effects
- Fluoride toxicity cont'd*
- review 11:163-165; 15:1-3; 30:89-104
- subacute 14:21-29; 16:65; 22:145-146
- subcellular effects 21:93-99
- subclinical 34:126-131
- symptomatology 1:94-102; 2:62-70, 206-213
4:102-108 (cn 209); 7:47-52, 118-122; 9:5-8; 10:45-47,
165-169; 12:3-4, 49-51, 102-103, 214-215; 14:172-181;
16:195-197; 18:86-92; 22:144; 31:13-20
- trout bioassay 24:76-83
- wildlife species variations 29:128
- Fluoride
- treatment. *See F⁻ and osteoporosis/F⁻ prophylactic measures*
- uptake
- animals 1:41-49; 3:53-60; 5:74-81, 111-114; 10:147
17:183-192; 18:237; 20:43, 45
- forage 3:40-41; 5:111-114
- humans 6:78-83 (cn 184); 4:97-98; 8:176; 10:22-27
- plants 1:21-26, 27-33, 37, 2:222-228, 229-235; 4:30-36
5:89-91; 9:204-212 (cn 10:44); 11:18-24, 76-88, 129-
134; 12:182-187; 13:105-117; 14:30-38; 18:208-211;
22:155-156; 24:109-113; 28:230; 30:244; 31:S4
- potato tubers 8:208-223
- soil 4:80-84; 20:14-17
- teeth 9:217; 10:93-94; 11:4-13 (cn 155); 15:64-69
17:199-200; 31:51-52
- use, book review 10:141-144; 13:90-95
- varnish *See F⁻ prophylactics*
- water interactions, molecular dynamics 29:106
- Fluorinated fatty acid 35:255-256
- Fluorite F⁻ content 14:69-74; 16:66-67
- Fluoroacetamide
- and mutagenicity 19:95
- poisoning 4:129-136, 137-142
- biological diagnosis 5:132-135, 136-144, 220-225
- treatment, Acetamide 10:34-37
- GST defluorination 16:145-151
- Fluoroacetate
- and
- glucose synthesis 16:117-128 (cn 191); 17:94-104
- plants 1:9-14; 2:72; 6:189-194, 194-202 (cn 7:108)
203-215; 9:204-212 (cn 10:44); 16:106-111
- in rat mitochondria 12:114-124
- metabolism 6:194-202 (cn 7:108), 224-245
- poisoning 3:102-103; 6:189-194, 215-224, 224-245
12:76-84; 13:80
- review 6:215-224; 7:135-142
- toxicity 3:47-48; 6:187-188 (cn 7:108), 189-194; 7:108
35:255-256
- Fluoroalkanes 4:41-42; 5:4-14
- Fluoroaluminate (AlF₄⁻) 23:182; 35:208-209
- complexes 29:56; 31:226; 32:100-101
- Fluorocarbon
- breathing 6:101-105
- liquid oxygenation 6:84-93, 94-100
- toxicity 8:121-124
- Fluorocarbons and halocarbons 21:201-209
- Fluorocitrate synthesis 6:224-245; 12:114-124
- Fluorocitric acid 2:72; 3:47-48; 6:189-194, 194-202
(cn 7:108), 203-215, 215-224
- Fluorosis .. *See Dental/Endemic/Industrial/Occupational/Skeletal*
and geographical pathology 14:182-191
- antidotes 2:55-59; 5:74-81; 11:157-159; 15:75-78
16:33-37; 20:24-27, 109-112; 21:193-200; 23:68-79;
26:217. *See also F⁻ toxicity antidotes*
- control
- and epidemiology 18:120-121
- project 27:125-128; 28:37-38, 41; 31:S31
- diagnosis 17:148-154; 30:186-187
- diagnostic indicators 12:91-99; 14:1-3; 22:112-118, 144
26:61-65

- in animals *See species - Cattle/Rabbit/Rat fluorosis, etc*
 species differences 22:10-19
 pathology, book notice 18:236
 pre-skeletal *See F⁻ toxicity preskeletal*
Fluorosis cont'd
 Prevention and Defluoridation
 Announcement 29:256; 32:203; 33:48, 53
 Proceedings 35:150-152
 prevention/improvements 26:181-186, 207, 220, 228
 27:160; 29:20-24, 202-206; 30:229-232; 31:S13, S31;
 34:216
 Fluorospas
 mine waste and vegetation 9:153-162; 11:179-186
 15:56-63 (cn 223)
 mines, India 21:137-141
 production 2:4-12 (cn 2:127); 16:90-100; 30:233-239
 use in steel mills 23:101-103
 Fluorouracyl 34:202
 Fluosilicic acid *See Hydrofluosilicic acid*
 Fly ash fluoride
 content 2:28-32; 5:111-114; 26:203; 31:188-192
 removal 32:14-19
 Fodder 18:80-86
 Foetal development *See Fetal development*
 Foliar fluoride
 absorption 14:30-38; 19:14-18, 138-146
 and foliar abnormalities 12:9-17
 and foliar gramine 28:229
 application 32:74-83
 Foodborne skeletal fluorosis *See Skeletal fluorosis*
 Forage, F⁻ accumulation 3:40-41; 25:183-190; 34:280
 Forage, organofluoride accumulation 2:72
 Forest soils 35:110-121
 Forests, F⁻ accumulation 30:188
 Formylmethionyl-Leucyl-Phenylalanine 24:117
 France
 bone fractures 28:107
 dental caries 28:52-53
 environmental fluoride 23:129-136; 25:96; 29:185
 Free
 amino acid 27:155-159; 28:229
 fatty acids 21:127-130; 22:33-39; 25:77-84; 32:104-105
 Free radical
 reactions 31:S26, S27; 33(1):S13-14; 34:81
 and F⁻, review 31:43-45
 toxicity, brain 33(1):S8
 Freon manufacturing, F⁻ emissions, India 18:80-86, 86-92
 Freons 4:41-42; 8:121-124
 Frog (*Rana nigromaculata*) 5:43-45
 Frog recolonization, Australia 30:240
 Fruit
 drinks and dental erosion 35:130
 -flavored drinks, F⁻ content 30:127 (cn 194)
 Fruitflies 3:192-200; 4:25-29
 Fujinara reaction 5:4-14
 Full-spectrum lighting and caries 23:191-192
 Fumigation
 generator 5:18-21
 studies, HF *See Airborne F⁻ fumigation/inhalation*
 G proteins 20:97; 23:184-185; 25:196; 26:147; 27:58
 29:182; 32:97-98, 100-101; 102, 106-107, 230-242, 261;
 33:46, 49-51, 95-96, 96-97, 97-98, 225, 225-226, 226-227,
 227, 227-228, 228-229, 229; 34:276, 276-277, 277-278,
 278, 279; 35:244, 244-245
 Galicia, Spain 35:110-121
 Gallium 32:103
 fluoride poisoning 6:254
Gallus domesticus (cockerels). 11:60-67, 198-207; 15:97-104
 Gamma Globulin 11:25-28; 13:20-24, 151-159 (cn 14:68)
 Gamma-Glutamyltransferase (γ-GT) 15:157-161
 Garbage project, tooth decay analysis 27:238
 Garrison, Montana 7:7-31
 Gas chromatographic analysis 19:108-112; 20:30-35
 22:169-173, 174-178
 Gaseous fluoride *See Airborne F⁻/Hydrogen F⁻*
 Gastric *See also F⁻ and gastric effects*
 acidity and fluoride 8:61-85; 18:127; 22:10-19
 emptying and fluoride absorption, rats 7:225-226; 26:148
 enzyme changes, rats 20:71-74
Gastric cont'd
 mucosa
 damage 19:96; 20:183-188; 24:49; 29:13-19; 30:187
 histopathology 25:5-22; 31:50
 secretion 17:178-182
 ulcer 10:125-136, 149-151
 Gastrocnemius muscle 5:43-45; 26:45-56; 27:205-214
 32:215-229; 33:17-26, (1)S28-S29; 34:21-33, 210-211
 Gastroduodenal hemorrhages 35:28-37
 Gastrointestinal
 fluoride absorption 23:48; 187-188; 26:216, 225
 function and F⁻ intake 32:60-66
 symptoms 25:5-22; 31:47. *See also Fluoride*
toxicity symptomatology
 fluoridation 22:45-46; 27:32-36, 163-164; 31:48-49
 tract and fluoride
 absorption, rats 25:198; 27:185-188, 234
 damage 24:49; 123; 28:48
 Gdańsk, Poland 27:141-144; 32:91-95; 33(1):S21-S22
 35:239-243
 Gekkonid lizard (*Hemidactylus flaviviridis*) 23:92-97
 Gel filtration 25:171-174; 26:247-256
 Gene expression 27:118
 Generation times, *Streptococcus mutans* 22:94
 Genetic
 effects 2:76-84; 3:192-200; 4:25-29; 6:179-181
 10:157-164; 11:37-38, 156; 17:168-172; 26:23-32; 29:184
 predisposition, fluorosis 33(1):S31-S32
 Genitourinary tract and environmental factors 29:101-102
 Genotoxicity 18:66-67; 21:161; 22:95; 24:45, 45-46
 27:110-111, 215-219; 28:125-127, 150; 29:43-44; 32:98;
 34:207-208
 Genu valgum 9:185-200; 15:25-31, 81-87; 17:9-14, 55-56
 20:147-148; 30:147-152; 33:66-73, 187-195

- Genu varum..... 17:55-56; 20:147-148; 33:66-73 (cn 148)
 Geochemical
 factors and caries..... 28:52-53, 53
 risk factors, mental functioning..... 29:101
 Geographic Information System, fluorosis risk..... 30:33-40
 31:183-187
 Geography and bone fractures..... 29:253
 Geophysics..... 29:175-176
 Geothermal water F⁻..... 22:155-156; 32:74-83; 33:142
 Gerbil (*Meriones unguiculatus*)..... 31:S24
 Germany
 Chemnitz and Halle..... 14:14-21; 31:149
 Chemnitz and Plauen..... 30:193; 33:221-222
 dental
 caries..... 30:193; 33:221-222
 defects..... 32:36-37
 fluorosis..... 16:101-105; 34:189-190
 environmental F⁻..... 1:41-49; 2:188; 3:6-11, 22-26, 137-142
 4:21-24, 80-84; 7:223; 10:89; 14:194; 16:43-47, 83-90;
 17:193-196; 18:93-95; 23:31-34; 27:170; 32:114-115;
 33:92, 145, 146, 146-147; 35:65-66
 fluoride intake..... 35:63
 skeletal fluorosis..... 16:83-90
 Germinal epithelium..... 29:183-184
 Germination..... 1:38-40; 6:154-162; 11:179-186; 20:113-117
 29:3-6; 31:81-88
 Giant cells..... 5:54-55
 Gibberellin (plant tissue elongation)..... 22:51-52
 Gifblaar..... *See Dichapetalum cymosum*
 Gilbert's disease and F⁻ intake.. 16:139-145 (cn 242); 31:S25
 Gingival health and DFS..... 23:144-145
 Gladiolus..... 3:66-71, 137-142; 4:30-36, 93-96; 19:138-146
 environmental F⁻ bioindicator..... 19:138-146
 Glass manufacturing..... 18:93-95
 Glass-ionomer, F⁻ release..... 26:160-161; 27:235; 31:S32
 Glomerular
 filtration rate..... 5:48-50; 19:34-35, 35-36
 /tubular dysfunction..... 17:35-41
 Glucocorticoids..... 19:36-37; 24:23-28
 Gluconeogenesis in hepatocytes..... 16:117-128 (cn 191)
 17:94-104
 Glucose
 distribution..... 27:171
 homeostasis..... 28:152-153
 metabolism..... 4:137-142; 13:159; 26:210; 32:20-26
 tolerance, fluorosis..... 27:52
 treatment in poisoning..... 3:121-126; 133-136; 20:11-13
 uptake, F⁻ inhibition..... 7:64; 20:46-47
 -6-phosphatase..... 6:253; 12:84-91; 17:81-93; 20:137-141
 -6-phosphatase dehydrogenase..... 20:137-141
 -insulin profiles..... 26:142
 β-Glucuronidase..... 15:4-13; 17:72-80, 144; 18:96-104
 Glutamate
 dehydrogenase..... 33:182-186
 oxaloacetate transaminase..... 8:134-143; 9:42-46
 14:132-141; 25:101-110; 30:157-164
 pyruvate transaminase..... 9:42-46; 13:85; 14:132-141
 25:101-110; 30:157-164
 Glutamic acid..... 15:162
 Glutamine..... 29:217-226; 31:143-148; 32:162-170
 monofluorophosphate..... 26:285
 Glutathione..... 18:117-119; 27:231-232; 30:41-50
 34:103-107, 108-113, 208-209; 35:197-203, 209
 metabolism..... 34:132-138
 peroxidase..... 22:112-118; 26:78; 32:243-247
 34:108-113; 35:197-203, 209
 α-Glutathione S-transferase..... 31:S9; 32:263
 33(1):S29-S30, 210-217; 34:212
 Glutathione S-transferase..... 16:145-151; 34:108-113
 35:197-203, 209
 Glycerolipid biosynthesis..... 26:233
 α-Glycerophosphate dehydrogenase..... 33:6-16
 Glycine..... 29:217-226; 31:143-148; 32:162-170
 Glycogen in tissues..... 5:38-40; 15:53, 208-214; 17:224-233
 20:84-91; 21:82-86; 22:78-85; 23:92-97; 26:45-56, 215;
 27:205-214; 29:217-226; 34:9-20, 21-33, 210-211
 Glycol ethers..... 29:103
 Glycolysis..... 10:42, 40, 43; 15:4-13, 198; 19:193; 20:46-47
 29:118-119, 119
 Glycolytic enzymes, rat hepatocytes..... 14:41; 17:210-217
 Glycoprotein. 13:151-159 (cn 14:68); 14:150-154; 15:199-202
 Glycosaminoglycan
 adsorption to hydroxyapatite..... 28:168
 molecular weight distribution..... 26:247-256
 orientation..... 23:27-30, 171-174; 30:113-114
 Glycosaminoglycans..... 15:191-198, 199-202; 18:229-230
 22:137-140, 142-143, 144; 24:47; 26:230-231; 28:168;
 31:193-202; 34:279-280
 Goa, India..... 32:35
 Goat studies, fluorosis..... 25:123-128; 26:241-246
 27:136-140; 35:51-55 (cn 142)
 Godavari River, India..... 18:12-14; 20:84-91
 Goiter..... 2:192-194, 195-200, 200-205; 6:119-120; 8:34-38
 26:187-190, 236; 31:S18; 32:127-128
 Goitrogens..... 32:127-128
 Gonadotoxicity, rats..... 19:154
 Gordon, CC obituary..... 14:196-197
 Grain crops,
 cytogenetic effects..... 26:23-32
 quality/yield..... 13:122-129; 25:115-122
 Grand Rapids, Michigan..... 3:71-79 (cn 203)
 5:229-231, 231-232; 6:57-63, 69-70
 Granulocyte function..... 15:4-13
 α-Granulocytes..... 33:108-114
 Grape vines and F⁻ emissions..... 2:188
 Grass
 cultures, F⁻ absorption..... 18:208-211
 species, F⁻ sensitivity..... 20:126-136
 Grassland..... 30:241
 community..... 20:126-136; 21:185-192; 22:179-187
 Graz, Austria, F⁻ pollution..... 4:97-98

- Greece, dental caries..... 18:65-66
Greenhouse gas (SF₆), global effects 33:94
Groundwater
 chemical analysis, India 27:89-92
 contamination index 32:113-114
- Groundwater cont'd*
 fluoride..... 9:185-200; 16:43-47; 17:266-267; 18:4-11
 212-216; 19:173-180; 20:4-10, 37, 75-78, 92-93; 25:111-
 114, 143-148; 26:218-219, 219; 27:89-92; 30:26-28, 33-
 40, 81-84 (cn 194); 31:227; 34:139-149, 189-190; 35:211
 distribution 16:43-47; 18:4-11; 20:4-10, 37, 92-93
 34:194; 35:122-129
 management in China 26:221; 33(1):S36, S38
- Growth
 factor-I 26:234-235; 27:111
 in
 chicks, Ca/Mg/F⁻ interaction 7:112-114
 children 4:154-166; 7:88-93; 8:34-38; 15:70-75
 20:154-161; 21:87-92; 28:228; 29:126-127; 33(1):S19-
 S20; 34:209-210
 inhibition,
 grassland community 20:126-136
 plants 3:107-108; 6:162-178
 9:204-212 (cn 10:44); 11:18-24, 55-59, 89-99; 12:155-
 162; 16:235-242; 18:15-22; 25:175-182; 29:3-6, 56, 72-
 76; 31:S4; 33(1):S33-S34
 stimulation, plants..... 22:51-52
GSH 27:231-232; 33(1):S32
GTP-binding proteins *See G proteins*
Guadiana Valley, Mexico, water F⁻ 34:139-149
Guangzhou, China 19:169-172; 27:49; 30:115-116, 116
35:1-4
Guanosine diphosphate (GDP) 35:244-245
Guinea pig
 fluorosis... 9:167-168; 12:144-154; 14:119-123; 15:157-161
 16:162-168; 17:124-131
 studies 4:137-142; 5:132-135, 136-144, 220-225
 12:144-154; 14:119-123; 15:157-161; 16:117-128 (cn
 191), 162-168; 17:124-131; 19:71-77; 20:137-141
Guizhou Province, China 14:51-55, 91-93; 16:66; 17:9-14
18:46-53, 239-240; 28:189-192; 30:29-32, 85-88 (cn 194);
31:S7; 32:55-59; 33:135-139
Gujarat, India 26:187-190
Gypsum
 fertilizer and cattle mortality..... 32:40
 fluoride content 2:97-105; 3:97-99; 8:25-33
 pond emissions..... 2:97-105; 3:27-30, 97-99
- H⁺-ATPase 29:56
Haemopoiesis/Haematological *See Hematopoiesis/
Hematological*
Hair fluoride..... 2:33-36; 3:188-191; 4:85-88; 7:88-93; 8:38-40
14:21-29; 15:43-47; 20:162-171; 23:119-123; 25:129-134;
30:65; 31:S16; 32:91-95; 33(1):S22-S23, S36-S37
and
 age/sex/color 25:55-64
 BMD/urinary F⁻ 32:91-95
 F⁻ intake, rats 8:38-40
 bioindicator of exposure 4:98-100; 26:61-65; 27:52-53
 29:163-165; 30:61-63; 31:S32; 33:149-150, 174-181,
 196-204
 distribution 20:162-171; 25:55-64
 oral vs inhalation exposure..... 33:174-181
Halide ions in rivers, Kusatsu-Shirane volcano 30:188
Halides 15:48
Halothane..... *See Anesthetics*
Hamilton, Ontario cancer deaths 5:172-181; 7:153-165
23:101-103
Hamster
 enzyme activity 2:168-175
 tooth germ 19:98; 24:118
Hamsters, F⁻ pharmacokinetics..... 25:197-198
Harbor Springs, Michigan 13:139
Haryana State, India 22:119-127; 25:135-142, 143-148
26:97-104; 29:166-174
Hastings, New Zealand 21:45-46; 23:104-111, 111-118
31:103-118 (cn 170)
Hawaii Volcanoes, F⁻ in VOG 31:S4
Health Effects of Ingested Fluoride..... 26:278-279
 comments 26:274-277, 279-281, 281
- Heart
 and organofluoride 3:127-130, 131-133; 4:129-136
 6:203-215
 citrate content 11:14-17
 histopathology 4:199-204; 34:43-50
Heat stress, high F⁻ intake 32:60-66
Heavy metals and fluoride in
 plants/soil/air 28:180-188
 sheep 23:141-142
Heimeholz, Switzerland..... 11:198-207
Hekla eruption, Iceland 5:58-65, 65-66
HeLa cell
 growth 2:157-167; 3:162; 17:141
 morphology 20:39
Helianthus annuus 9:204-212 (cn 10:44); 11:76-88
Hematocrit..... 6:181-183; 14:38-41
Hematological parameters 13:117-121; 19:58-60
30:51-58; 31:224
Hematopoiesis 33(1):S25-S26, S27, 168-173
34:205, 258-263
Hematopoietic
 cell transplantation 35:81-89
 organs 35:231-238
 progenitor cells 31:S28; 33:168-173
 system 6:181-183; 15:119-123
Hemodialysis *See F⁻ and hemodialysis*
Hemodynamic/histologic correlates in rats 7:169-172
Hemoglobin/Haemoglobin..... 5:33-35; 13:117-121
14:38-41; 22:145-146, 165-168; 29:63-71
Hemolysis..... 23:192
Hemostasis in rabbits..... 12:136-143; 15:75-78
Henan Province, China 16:66-67

- Hepatic
arteries, contractile response 34:277-278
cholesterol 28:128-130
microsomal aminopyrine N-demethylase 15:132-136
microsomes 15:132-136; 17:206
tissue oxygen use 12:172-176
Hepatitis 5:103-105, 106-110
Hepatotoxicity 19:104; 34:34-42; 35:250
See also Liver damage
Halothane 19:33; 20:95; 30:69
Herring gull (*Larus argentatus*) 29:178-179
Heterogeneous apatite formation 31:S30
Heterotopic bone-induced tumour by KB cells 28:160
Hexafluorodichlorobutane 5:4-14
Hexaphosphate of myo-inositol (HPMI) 6:154-162
Hexose 13:151-159 (cn 14:68); 14:150-154
High fluoride and birthrates 27:231
Higher plants, F⁻ metabolism 26:3-22
Hillsborough County, Florida 5:145-163
Hip arthroplasty 31:S20; 32:7-13
Hip fractures 19:51-54; 20:1-3 (cn 63), 36-37; 22:133-136
23:51-54, 139, 139-140; 25:1-4, 45, 46, 48-49, 49-50, 161,
162-164; 26:71, 74, 234, 274-277, 286, 287; 28:43, 56,
107; 29:112, 252-253, 253; 30:122-123; 31:149, 149-150,
221; 32:255-256; 33:1-5, 39; 34:91-94, 155, 227-235
regional variation 25:47-48
Hippocampus 31:91-95, 96-99; 35:12-21, 204
Hirakud, Orissa, India 21:142-148
Hirapur, Mandla District, India 33:187-195
Hisar, India, water F⁻ distribution 25:143-148
Histamine 15:50
HMG CoA reductase 20:137-141
Hohot region, Inner Mongolia, China 28:125-127; 30:26-28
Holland
Culemborg/Tiel 6:49-55, 57-63; 27:37-44, 45-48, 123
28:119-120
dental fluorosis 23:191
The Hague, ISFR Conference report 5:2-3
Honey
and enamel solubility 27:172
bees and F⁻ emissions 21:113-120
Hong Kong
fluorosis 27:57
hip fractures 26:286
Hooper Bay, Alaska 27:32-36
Hormonal status, F⁻ toxicity 30:68
Hormone
metabolism 5:213-219
-disrupting chemicals 29:227-229
Horse-bean (*Calicicola*) 14:30-38
Hot Springs F⁻ content *See Water F⁻ in geothermal/thermal*
House Martin (*Delichon urbica*) 10:73-76
HPLC separation 32:171-178
Human
cells *See Cell*
diploid fibroblasts 18:62-63; 26:227; 27:116; 29:43
erythrocytes/lymphocytes/saliva *See Erythrocytes/
Lymphocytes/Saliva*
leukemic cells 35:256-257
milk lead/cadmium content 21:100-101
milk/colostrum F⁻ content 17:204. *See also F⁻ in milk*
neutrophils vs rabbit neutrophils 33:108-114
skulls, fossil age and F⁻ 29:131-134; 31:S19
Humidity and F⁻ uptake 13:105-117
Hungary
dental caries or fluorosis 23:186; 30:116-117
occupational fluoride 22:85-89
Budapest, ISFR Conference report 30:1-3
Hunter Valley, NSW, Australia 23:187
Hyaloplasm 21:93-99
Hyaluronidase 27:231-232
Hydration, fluoride anion 32:101
Hydrocarbon emissions 19:193-194
Hydrochloric acid 21:211
Hydrofluoric acid
burns 3:200-203; 5:100, 168; 7:60-61; 13:142-143
19:100-101; 24:126; 26:224; 29:103-104; 35:206-207
workers 12:48-49; 14:44; 19:34-35; 26:78; 27:52-53; 28:40
Hydrofluorocarbons 29:176
Hydrofluorosis 1:94-102; 2:195-200; 10:165-169; 15:1-3, 77
Hydrofluosilicic acid 22:45-46; 31:S25; 33:88-89
34:161-164
Hydrogen bonding by fluoride 14:98; 15:48-49, 222
18:71; 30:191; 32:99-100
Hydrogen fluoride *See also Airborne F⁻
and*
animals 1:41-49; 2:33-36; 6:151-155; 15:157-161
16:162-168; 17:124-131; 19:71-77; 20:137-141; 21:5-
12; 31:50; 33(1):S22-S23, 174-181
drosophila 3:192-200; 4:25-29
mutagenicity *See Fluoride and mutagenicity*
vegetation 1:34-36, 38-40; 2:76-84; 3:40-41; 4:21-24
5:67-72, 145-163; 6:33-40; 9:63-70; 10:157-164; 11:89-
99; 12:33-38; 15:149-156; 16:220-228; 18:15-22; 20:94;
25:115-122; 26:23-32; 30:242-243
chloroolefin mixtures 21:201-209
determination,
dosimeter 35:22-27
gaseous vs particulates 5:84-85; 13:89; 16:258-259
vs particulate ratio 16:229-234
use 2:4-12 (cn 2:127)
Hydrogeochemistry of F⁻ *See Water geochemistry*
25-Hydroxy Vitamin D₃ 30:147-152
Hydroxyapatite 4:15-20; 17:61-62; 26:208-209; 27:112
28:168, 171; 29:49; 32:98-99; 35:261
crystal growth 32:96-97
defluoridation 29:212-216
formation 23:98
25-Hydroxycholecalciferol 11:115-119; 19:38-39
Hydroxyproline in tissues 15:177-190
17:139. *See also Urinary hydroxyproline*
Δ₅,3β-Hydroxysteroid dehydrogenase 12:65-71
3β- and 17β-Hydroxysteroid dehydrogenase 27:7-12
32:162-170, 204-214; 34:9-20

- 5-Hydroxytryptamine (5-HT) 26:57-60; 32:102
 Hyperbilirubinemia 16:139-145 (cn 242)
 Hypercholesterolaemic Rico rats 29:44-45
 Hypercholesterolemia 34:9-20
 Hyperfluoridation *See Fluoridation accidents*
 Hyperglycemia 13:88-89; 15:198, 214-221; 26:215
 33(1):S13-14
 Hyperkalemia and
 hemodialysis 32:107
 acute F⁻ toxicity 14:146; 22:46-47
 Hyperosmotic shrinking 27:58
 Hyperparathyroidism and F⁻ 5:115-125; 6:123-126
 7:200-208; 9:91-98; 12:195-208; 17:55-56; 34:156
 Hyperplastic nodules, parafollicular cells 18:111-117
 Hypersensitivity to fluoride 26:267-273
 Hypertension 26:230
 Hyperthyroidism and bone complications 23:140
 Hypervascularization in bone 15:54-55
 Hypobaric hypoxia 32:118-119
 Hypocalcaemia 15:75-76; 27:171; 28:152; 35:141
 Hypomineralized enamel *See Enamel*
 Hypothalamus 5-HT turnover 26:57-60
 Hypothyroidism 14:143
- I-125 absorptiometry 26:291; 27:161, 165-166
 Iatrogenic fluorosis 12:211; 14:46; 15:54-56; 26:208
- Iceland
 dental caries 24:125
 environmental fluoride 5:58-65
 ICP-MS detectors, F⁻ analysis 32:116-117
 Idaho, USA 32:74-83
 Ileum protein content 20:177-182
 Iliac crest biopsies 27:229; 28:157, 222
 Illite (in clay) and F⁻ 11:18-24
 ILO/CIS Bulletin, Safety and Health at Work 31:230-231
- Immune
 response 27:3-6
 system function 26:144
- Immunosuppressive practice, F⁻ intake 25:159-160
- In memoriam,
 AC Anderson 33:105-106
 CC Gordon 14:196-197
 Dean Burk 22:101-107
- In memoriam cont'd*
 EM Waldbott 30:75-76
 GL Waldbott 15:165-168
 JA Colquhoun 32:133-147 (cn 263)
 JA Yiamouyiannis 33:151-153; 34:159-160
 JR Marier 25:166-167, 167-168
 PE Zanfagna 15:109
 PRN Sutton 28:123
- In vitro* fluoride
 absorption 27:185-188
 adsorption, bone 29:135-138
- Incipient fluorosis *See F⁻ toxicity preskeletal phase*
- India 3:31-35; 5:101; 7:114-116 (cn 173); 9:167
 12:58-64, 72-75; 15:25-31, 81-87; 17:48-52, 155-159;
 18:12-14, 117-119; 20:4-10; 21:142-148, 167-170; 22:144;
 24:40-43; 25:5-22; 26:187-190; 27:52, 93-96, 236-237;
 28:41; 31:227, S5; 33:154-158
 caries 6:106-112; 8:154-161; 13:25-30; 16:69
 19:40; 21:137-141; 27:59-66; 28:51
 dental fluorosis 1:65-75; 3:105-106; 4:64-79, 5:21-24
 6:106-112; 8:34-38, 154-161; 12:38-47; 13:25-30, 49-57;
 14:86-90; 16:90-100; 17:155-159; 18:86-92, 140-145,
 149-156, 198-203; 19:151; 21:137-141, 142-148; 26:97-
 104, 177-180, 181-186, 187-190; 27:59-66; 29:151-155;
 30:68-69, 223-228; 31:S5; 32:35, 39-40; 33:66-73 (cn
 148), 187-195; 34:61-70
 environmental F⁻ 16:90-100; 17:252-258; 18:80-86
 86-92, 163-168; 19:10-13; 21:137-141, 142-148; 22:131-
 132; 26:181-186; 33:147-148
 groundwater quality, Agra District 27:89-92
 ISFR Conference report, F⁻ toxicity 19:1-3
 skeletal fluorosis 1:65-75, 76-85; 2:142-152, 200-205
 3:91-96, 105-106, 208; 4:65-67; 5:86-88, 115-125, 125-
 130; 6:4-17, 106-112, 143-151; 7:200-208; 8:12-24; 9:19-
 24, 33-35, 91-98, 98-104; 138-146, 185-200; 11:33-36
 (cn 155), 109-110, 115-119, 120-124, 166-170; 12:38-47,
 188-194; 13:10-16, 17-19, 25-30, 49-57; 14:69-74;
 16:198-208; 17:14-22, 168-172; 18:66-67, 86-92,
India skeletal fluorosis cont'd 18:120-121, 125-127
 149-156, 198-203, 19:166-168, 181-183; 20:189-190,
 21:39-44; 22:100; 23:147; 25:5-22, 65-70, 101-110, 191-
 192, 193-194; 26:97-104, 142, 177-180, 189-193, 282;
 27:215-219, 28:110; 29:63-71, 254; 30:68, 68-69, 147-152,
 223-228; 31:47, S22; 32:39-40; 33:66-73 (cn 148), 187-
 195, 224; 34:61-70, 103-107
- India soil fluoride 22:119-127; 25:135-142, 143-148
 29:166-174
- Indian foods, F⁻ content 7:114-116 (cn 173)
- Indomethacine 15:31-35
- Industrial fluoride,
 experimental studies 2:49-54, 214-221; 11:179-186
 12:107-108; 13:105-117; 17:224-233; 18:104-110;
 19:121-123; 20:38; 30:240-241; 35:51-55 (cn 142)
 pollution, Cornwall Island 14:97
- Industrial fluorosis *See also Environmental F⁻ and
 animals/Occupational fluorosis*
 alleviation in
 cattle 2:55-59; 5:74-81; 30:242. *See also Cattle fluorosis*
 goats 28:131-134
 in
 deer 8:182-191; 12:129-135; 27:170; 29:177, 177-178
 32:114-115; 34:197-198
 domestic animals 33:147-148. *See also Cattle fluorosis*
 goats 25:123-128; 27:136-140; 35:51-55 (cn 142)
 wildlife 18:235-236; 30:240-241; 33:146-147
 vs endemic fluorosis 11:29-32; 18:46-53
- Industrial waste water 32:74-83
 treatment 32:14-19
- Infancy 24:124; 27:168
- Infant
 fluoride

- availability 10:169-173
 pharmacokinetics 27:168
 use 28:52; 32:108-109
 food fluoride content 30:250; 34:155-156, 274-275
- Infant cont'd*
 formula 24:48-49, 51-61; 26:231-232; 28:110-111
 29:54, 115-116; 30:127-128; 32:34
 F⁻ overdose 30:125
 Inflammation 2:132-133, 176-180; 28:110; 32:261-262
 Infrared aerial photography, forest ecosystem 11:135-141
 211; 29:241-251
 Inner Mongolia, China 25:123-128; 27:136-140; 26:214
 28:125-127; 30:26-28; 34:214-215; 35:51-55 (cn 142)
 Inorganic fluoride 26:212; 28:150; 32:96
 compounds, book review 3:100-101
 Inorganic Fluorides, Environmental assessment 28:29-32
 Inositol phosphate 23:184-185
 Inotropic action of fluoride 2:153-156
 Insect
 egg metabolism and F⁻ 3:85-91
 herbivory 28:229
 infestation, Lodgepole pine 10:14-21
 studies (*Drosophila*) 3:192-200; 4:25-29; 6:113-117
 23:83-91
 Insulin resistance 27:52
 Insulin-like growth factor system 35:208-209
 Intelligence quotient (IQ)
 and F⁻ exposure 28:189-192; 29:190-192; 31:S13
 33:49-51, 74-78
 distribution scores 29:230-236
 Interaction potentials 32:106
 Intercapsular/capsular collagen orientation 23:171-174
 30:113-114
 Inter-country urinary F⁻ excretion 27:115
 Interleukin-1B 34:204
 International
 Academy of Oral Medicine and Toxicology 31:170
- Joint Commission 4:93-96
 Labour Office 31:230-231
 Workshop Fluorosis Prevention and
 Defluoridation 29:256; 32:203; 33:48, 53
 Proceedings 35:150-152
- Intestinal
 biochemistry 28:21-24
 mucosa 35:28-37
 tissue 19:71-77
- Intracellular
 fluoride content, tissue 14:93
 pH 34:174-180
 Intra-oral release devices 26:292
 Intratracheal insufflation, phosphorites 22:24-28
 Intravenous NaF, rats 31:S9; 33(1):S9-S10, S29-S30
 210-217, 218-219; 34:212
 Invertase, mung bean seedlings 32:171-178
 Iodine 32:127-128
 deficiency, China 31:S18
 Iodonitrotetrazolium (INT) reduction 19:157-165
- Ion
 chromatography *See Chromatography*
 exchange membrane 32:108
 exchange resin 22:66-71; 32:84-90
 selective anode, F⁻ analysis 29:106
 selective/specific electrode *See F⁻ electrode*
- Ionic
 fluoride *See Blood F⁻/Serum F⁻/Plasma F⁻
 vs non-ionic F⁻ equilibrium* 22:20-24
 interference, F⁻ analysis 11:142-150
 solids 30:250-251
 Ionizable fluoride 35:258
 Iranian children, F⁻ intake 33:89-90
 Ireland 29:53
 Iron 3:49-53; 11:157-159; 17:224-233; 33(1):S30-S31
 foundry workers 22:157-164
 in tissues, fluorosis 17:81-93
 sintering plant and budburst 15:124-131
- uptake, liver and bone, mice 14:107-112
- Irradiated
 mice 35:81-89
 patients, caries prevention 26:162-163
 Irrigation and fluoride 20:14-17; 28:230; 32:67-70, 74-83
 Ischemia 25:196
- ISFR
 35 years of *Fluoride* 35:213-227
 Centennial Commemoration, GL Waldbott 31:1-12
- Conference
 announcements 2:141; 3:39; 18:186; 25:44
 53-54, 98; 26:165, 166, 295; 28:2, 60, 124, 177; 29:2,
 58, 256, 30:141, 206; 31:46, 60, 130, 176; 32:152, 202-
 203; 33:53-54, 107, 230; 34:7-8, 159-160, 223; 35:5-11,
 78-80, 148-150, 228-229
 milestone 29:1-2
 reports 3:113; 5:2-3; 19:1-3; 24:120; 26:1-2
 27:183-184; 28:1-2; 30:1-3; 31:175-176; 32:2-6;
 33:103-104; 34:224-226
- Conferences: Past and Future 30:4
 John Colquhoun Memorial issue,
 tributes 32:133-147 (cn 263)
 Publication guidelines for authors 34:85-90; 35:67-72
 Topics for future F⁻ research 34:221-223
 Tragic loss, J Colquhoun 32:1
- Isocitrate dehydrogenase 2:106-115; 20:137-141
 Isoenzymes, rats 16:145-151; 33:S4-S5
 Isoflurane *See Anesthetics*
 Isometric dehydrogenase 9:42-46
 Isopleth mapping 33:121-127; 34:194
 Isozymes 32:171-178
 Israel dental caries and fluorosis 22:50
- Italy
 bone fracture incidence 33:39-40
 dental caries and fluorosis 32:130-131
 environmental fluoride 2:37-39, 40-48, 49-54; 5:14-17
- Japan

- Australia, fluorides/fluoridation..... 31:228
 dental caries..... 4:172-175; 5:31-33; 6:248-251; 34:76-77
 dental fluorosis..... 4:154-166, 172-175, 204-209; 5:31-33
 19:173-180; 25:160-161; 33:121-127; 34:76-77, 219-220
- Japan cont'd*
 environmental fluoride..... 16:175-180, 229-234; 17:159-167
 19:113-116, 138-146
 ISFR Conference report..... 26:1-2
 Otsu City, Shiga..... 34:224-226
 waters..... 19:173-180; 30:188; 34:198-199
- Japanese
 food F⁻ content..... 5:102; 16:175-180; 18:228; 19:113-116
 20:30-35; 26:226; 34:194-195
 serum fluoride..... 31:S33
 Society for Fluoride Research, report..... 29:95-96
 urinary F⁻..... 17:159-167; 21:100; 26:226; 28:61-70; 35:257
- Jiangxi Province, China..... 20:75-78; 30:77-80; 31:S2
 S14, S32
- Joint
 cancer..... *See Cancer*
 damage..... 31:S17
 pathology, aluminum workers..... 23:47
- Jordan
 dental fluorosis..... 21:121-126
 environmental fluoride..... 31:137-142
- Justice Flaherty vs Lord Jauncey..... 17:63-71
- Karl-Marx-Stadt, Germany..... *See Germany, Chemnitz*
- Kaschin-Beck disease..... 2:128-131
- Kaveripattinam block, India..... 35:254
- Kazak people..... 27:160
- Kenhardt bone disease..... 1:119-121
- Kenya
 dental fluorosis..... 18:4-11; 20:92-93, 146-147
 147-148; 28:113; 30:19-25 (cn 140)
 environmental fluoride..... 20:42-43
 skeletal fluorosis..... 20:42-43, 147-148
 water fluoride..... 18:4-11; 20:92-93; 25:111-114
 26:215; 28:17-20; 30:19-25 (cn 140), 128; 35:193-196
- Khat (*Catha edulis*) leaves, F⁻ content..... 33:90
- Khera village, India..... 18:149-156
- Kheru Nayak Thanda, Gulbarga District, India..... 33:66-73
 cn 148); 34:103-107
- Khouribga, Morocco..... 23:143-144; 24:127
- Kidney..... 35:231-238. *See also F⁻ and kidney
 and organofluoride..... 6:203-215
 biochemistry..... 17:81-93; 33(1):S6-S7
 calcification, rats..... 26:210-211
 citrate content..... 11:14-17
 collecting duct cells, F⁻ toxicity..... 29:254-255
 dysfunction..... 26:222
 effects, anesthetics..... 4:1-4, 37-38, 38-39; 5:98-99
 164, 165; 6:121-122; 7:93-105, 169-172; 11:40-41;
 12:49-51; 13:144; 16:253-254; 18:68-69; 28:226-227;
 29:45-46; 30:70, 129; 32:96, 104-105; 34:271-272*
- enzyme changes..... 2:168-175; 12:84-91; 14:132-141
 23:68-79
- function,
 fluorosis..... 9:33-35; 17:35-41; 22:208
 occupational..... 28:40
- histology..... 5:50-53; 13:163-167; 15:157-161
 16:133, 174; 19:152; 26:105-110; 34:206
- pathology..... 20:41-42; 35:38-50
- respiration..... 35:161-167
- stones..... 4:150-151; 8:34-38; 11:41-42
 13:1-3, 10-16, 41-42; 34:269
- Kingston, New York..... 3:71-79 (cn 203); 23:50
 32:117-118, 256-257 (cn 33:98); 33:220; 34:73-74
- Kiruna, Sweden..... 15:124-131
- Kozilcaoren, Turkey health survey..... 13:81-85
- Kooragang, New South Wales..... 14:195
- Kriging, spatial phenomena..... 29:166-174, 175-176
- Krill fluoride content..... 23:151-153
- Krishnagiri block, Tamil Nadu, India..... 33:121-127
- Kuopio, Finland..... 14:144; 15:35-43; 16:192
 19:51-54, 149-150; 20:1-3 (cn 63), 36-37; 22:207; 23:144-
 145; 28:155; 32:33; 33:140; 34:76
- Kyoto, Japan, ISFR Conference report..... 26:1-2
- Kyphosis in Senegal..... 22:99
- La Palma, Canaries archipelago..... 22:59-65
- La Pampa, Argentina..... 12:28-32
- La Rioja, Spain, water F⁻..... 18:212-216
- La Soufrière (volcano)..... 10:152-156
- Labile fluoride..... 11:4-13; 13:65-70; 18:36-40
- α-Lactalbumin, F⁻ binding..... 25:171-174; 27:145-150
 28:110-111
- Lactate dehydrogenase..... 8:134-143; 9:42-46
 14:115-118, 132-141; 15:4-13, 48; 17:94-104; 31:26-32;
 32:104-105; 33:159-167
- Lactation and
 calcium homeostasis..... 16:23-33
 fluoride... 7:143-146; 12:100-102; 18:238; 19:33-34; 22:146
- Lactic
 acid production and glucose..... 7:64; 30:115. *See also
 Oral bacteria*
- dehydrogenase..... 3:121-126, 127-130; 20:41-42
- Lactobacilli and caries..... 24:125; 26:162-163; 29:48
- Lactobacillus casei*..... 25:198-199
- Lady finger (*Abelmoschus esculentus*)..... 28:230
- Lake
 Japan, water F⁻..... 34:198-199
- Elementaita region, Kenya..... 30:19-25 (cn 140)
- Naivasha, Kenya..... 25:37-43
- St Clair, Detroit pollution..... 4:93-96
- Lambs..... 21:60-68
- experimental fluorosis..... 17:107-114; 24:127; 25:204
 30:165-172
- Laminin..... 35:60
- Lay opinion, fluorosis perceptions..... 27:54-55
- LC50,
Catla catla..... 18:104-110

- Channa punctatus* 16:243-246
 trout (soft water) 24:76-83
 LD50,
 F⁻ compounds 6:113-117, 18:169-170; 19:117-121
 mice 20:68-70
 Lead.. 13:99; 21:100-101; 26:158-159; 31:S25; 33:146, (3)S7
 in water 21:106; 26:75
 Lead mutagenicity 13:87-88
 Leaf
 Area and Net Assimilation Rate 25:175-182
 Area Index vs F⁻ uptake 18:208-211; 25:175-182
 cuticle F⁻ leaching 9:148-152
 necrosis and fluoride 4:30-36; 8:85-91
 9:204-212 (cn 10:44)
 sugar variations 18:15-22
 Lentils and RNase activity 3:153-159
 Lethal Synthesis 6:189-194
 Leucine aminopeptidase 24:66-70
 Leukemia, F⁻ and fractures 29:181
 Leukocytes 4:154-166; 5:35-37; 11:37-38, 156
 13:87-88, 117-121; 14:96-97, 101; 15:119-123; 26:144
 Leukonychia 4:85-88
 Lex A repressor cleavage 23:183
 Leydig cells 27:7-12
 Lichen fluoride bioindicator 7:123-135 (cn 8:57)
 22:59-65; 25:96; 29:241-251
 Ligated stomach, F⁻ absorption 28:3-9
 Light microscopy,
 bone 16:209-213; 19:18-22; 21:76-81; 22:112-118
 enamel hypoplasia 20:97-98
 Lime papers, dry deposition 19:124-131 (cn 187)
 20:126-136
 Lipid
 content, fish 17:224-233
 metabolism 20:113-117; 22:33-39; 25:149-154
 27:201-204; 33:27-32; 34:82-83
 peroxidation 29:183-184; 31:S29; 32:243-247
 34:103-107, 108-113, 132-138; 35:197-203, 209
 Lipids in bivalve mollusks 20:84-91
 Liquid breathing 6:84-93, 94-100
 Lithium 26:76
 fluoride 15:50; 29:56; 30:250-251
 Liver
 cancer 34:202
 damage and anesthetics 19:33; 20:95; 30:69
Liver cont'd
 damage and fluoride 2:140-141; 168-175; 3:80-84; 13:85
 enzyme changes 2:168-175; 5:38-40; 10:42, 40, 43
 12:84-91; 14:115-118, 132-141; 16:145-151; 17:81-93;
 19:108-112; 20:41-42; 21:131-136; 23:68-79; 30:157-
 164; 32:215-229; 33:182-186; 34:108-113, 132-138
 fibroblasts, mice 35:104-109
 function 30:157-164
 hepatocyte
 morphology 35:81-89, 231-238
 ultrastructures 15:162; 21:32-38; 33:S9
 histochemistry 16:133; 33:6-16
 histology animals 14:119-123; 26:45-56, 78
 histopathology 26:105-110; 34:34-42
 hyaloplasm, F⁻ kinetics 16:252
 lesions, precancerous 28:112
 lipids in
 guinea pigs 14:193
 rabbits 18:146-149
 rats 33:143
 lipids/protein/glycogen, lizard 23:92-97
 metabolism 18:70; 25:196
 penetration (F⁻ kinetics) 19:108-112
 tissue
 enzymes 16:48-51; 21:131-136
 respiration 12:172-176; 16:117-128 (cn 191)
 35:161-167
 Loblolly pine (*Pinus laeda*), F⁻ bioindicator 15:14-20
 Lodgepole pine, insects and F⁻ 10:14-21
 Longitudinal elastic modulus, bone 26:154
 Lordsburg, New Mexico 21:104
 Los Angeles water F⁻ 29:55
 Luboń, Poland 34:51-54
 Lucknow, India 7:114-116 (cn 173); 8:154-161
 Luminal acidity, F⁻ absorption 28:3-9; 29:13-19
 Lung
 cancer *See Cancer, lung*
 fluoride particle deposition 18:157-162
 Lung X-rays, skeletal fluorosis 29:33-35
 Lupine (Calcifuge) 14:30-38
 Lymphocytes 19:42; 27:3-6
 human 28:149; 29:43-44; 30:153-156; 32:98; 33:154-158
 34:207-208; 35:251
 Lymphoid depletion 33(1):S1-S2
 Lysine and caries, rats 19:132-137
 Lysosomal enzymes 33:6-16
 Macromolecular synthesis 29:184
 Magadi, F⁻-containing trona tenderizer 30:192-193
 32:118-119; 33:91; 34:153-154
 Magnesium 27:117; 29:44-45; 32:103; 33:143-144
 See also F⁻ and magnesium
 and calcuogenesis 18:124-125
 balance 2:142-152; 5:213-219; 11:104-105, 208
 binding 27:58
 deficiency and RSI 19:155-156, 189
 dietary 2:185-187; 14:142; 19:189
 -fluoride interaction
 apatites 23:98; 32:98-99
 biosystems 11:68-75; 14:142
 nephrocalcinosis 11:41-42
 with aluminum 26:147
 in
 bones 22:29-32; 26:151
 teeth 33(3):S7, S8, S8-S9; 34:217
 water 8:34-38; 14:69-74; 19:39
 metabolism and fluoride 11:104-105, 208
 metasilicate (Serpentine) 8:12-24, 144-154; 9:98-104
 16:33-37; 18:135-140; 20:64-67

- oxide..... 16:33-37
 trisilicate, F⁻ uptake in solution 13:75-80; (cn 14:68)
- Magnetic resonance techniques 4:15-20
- Maize (corn)..... 10:157-164; 11:18-24; 29:56; 33(1):S33-S34
- Malate dehydrogenase, plants 13:122-129
- Male mice 33:128-134; 34:21-33, 204
- Male rats 33:6-16
- Malic acid dehydrogenase isoenzymes 10:63-72
- Malondialdehyde (MDA) 33(1):S13-14 (3)S6; 34:103-107
 35:197-203
- Mammalian
 cell growth *See Cell growth*
 eggs, mitotic activity 8:52-53
- Mandibular
 bone fluoride accumulation 8:92-97; 9:73-90
 28:51; 158-159; 29:177; 31:S10; 33:145, 146-147
 incisors, amelogenesis, rats 27:120
- Mandla District, India 33:187-195
- Manganese
 in tissues, mice 16:68
 -fluoride interaction 3:49-53; 11:68-75; 16:68, 187
 17:81-93
- Mango black tip disorder 29:128
- Mapping 29:175-176
- Marble deterioration, airborne F⁻ 29:89-94
- Marier, JR obituary 25:166-167, 167-168
- Mass spectrometry (TOF-SIMS) 35:261
- Mast cells, rats 15:50
- Maternal
 fluoride transfer, ewes 21:60-68
 plasma 21:103
 plasma/placenta F⁻ 31:131-136
- Mathematical model, bone F⁻ uptake 26:149
- Maurienne, Savoie, France 25:96
- Mauritius, Finland 29:52
- Mechanical
 deboning 34:274-275
 properties *See Bone mechanical properties*
- Medak District, Andhra Pradesh, India 27:93-96
- Mehsana District, North Gujarat, India... 25:101-110; 29:63-71
- Melatonin 31:S24
- Membrane
 activity and F⁻ 21:93-99; 25:195; 26:167-176
 permeability and brush border enzymes 20:96
 protein SH binding site property 27:129-135; 28:193-200
- Memory *See F⁻ and brain effects*
- Menopause (post and pre), bone mass 30:65; 31:S21
- Mercuric chloride and NaF, LC50 16:243-246
- Mercury and fluoride toxicity 19:78-79
- Mesenteric artery 29:182
- Mesenteric vascular bed 24:121; 34:278
- Mesophyll cells, soybean 5:67-72
- Messenger RNA *See RNA*
- Meta-analysis, F⁻ supplements 32:110-111
- Metabolic
 bone disease, nutrition 17:14-22
 burst, rabbit neutrophils 19:157-165
 processes 33:55-65
- Metabolism and
 F⁻ transport 2:91-96, 135 (cn 235)
 Toxicity of F⁻, book review 30:110-112
- Metal distribution and F⁻, rats 25:97
- Metallic interactions with F⁻ and arsenic 32:243-247
- Metallurgical industry, China 20:118-125
- Methoxyflurane *See Anesthetics*
- Methylphosphonic difluoride 20:47
- Metrypone tests 26:76
- Meuse river F⁻ pollution 7:167
- Meuse Valley death fog 2:62-70; 7:174-176
- Mexico 28:218; 32:41
- dental fluorosis 30:33-40, 219-222, 233-239
 33:220-221; 34:139-149
- environmental fluoride 28:203-208
- fluorospar mining/water F⁻ content 30:233-239
- geographic information, F⁻ exposure 31:183-187
- skeletal fluorosis 28:203-208
- Mica fluoride content 14:69-74
- Mice
 fluorosis 11:159-161; 13:163-167; 14:107-112; 17:81-93
 lymphocytes 19:42
 studies 2:214-221; 3:181-187; 4:109-113; 6:101-105
 9:42-46; 13:160-162, 163-167; 14:56-61, 107-112, 182-
 191; 15:110-118, 119-123; 17:81-93; 20:68-70; 22:78-85;
Mice studies cont'd. 25:71-76; 27:205-214; 29:217-226
 31:143-148, 203-216; 32:153-161, 162-170, 204-214, 215-
 229; 33:17-26, 128-134; 34:9-20, 21-33, 165-173, 242-249;
 35:81-89, 104-109, 231-238
 abstracts 24:121; 28:108-109; 34:80; 35:132, 204
 250, 258-259
- Michigan
 cattle fluorosis 12:100-102
 school children 22:92-93; 24:131
- Microanalysis, inverted F⁻ electrode 22:5-9
- Microbial biomass 30:241
- Microdensitometry, bone structure 24:71-75; 26:37-44
- Microdiffusion 11:170-178; 14:10-13; 19:113-116
 20:30-35; 22:174-178
- Micronuclei frequency 35:251
- Micronucleus rate 28:125-127; 34:83
- Microprobe analysis 29:186
- Microradiographs,
 fluorosis 3:167-174, 175-181; 12:103-104; 15:107, 131
 20:149-150; 23:141; 27:170
 osteoporosis 3:204-207, 211; 5:227-229
- Microradiography, enamel 29:122
- Microsomal mixed function oxidase system 15:132-136
- Microtubule stabilization, (GDP) 23:182
- Milk
 fluoridation *See Fluoridated milk*
 fluoride, rats 19:33-34
 intake and fluorosis 30:65, 77-80
 production,
 cattle 11:161-162; 12:100-102; 16:258
 20:142, 143-144; 23:143-144; 31:S6

- silver fox 21:102-103
protein and fluoride interaction..... 25:171-174; 28:110-111
Milwaukee area, USA 10:165-169
Mine waste F⁻ content 9:153-162; 33:S8-S9
Mineral
aspects of dentistry, book review 15:164
balances and retention 30:165-172
Mineral cont'd
composition, bone *See Bone mineral content*
composition, needles 11:68-75
homeostasis 22:147-148
interactions and fluoride 23:186
interfacial bonding 27:229-230; 28:44-45
metabolism 5:213-219; 24:129-130
supplement (agriculture) *See F⁻ in feed supplements*
water *See F⁻ in mineral water*
Mineralization *See Bone/Enamel/Dentin/Plaque/Root*
and fluoride in solution 18:179-180; 26:291, 291-292
27:165-166; 28:216, 217; 29:50, 117, 118
Minerals in bovine tissue 3:188-191
Minipigs, NaF and alendronate 28:160; 29:108-109; 30:190
Minzhu, Guizhu Province, China 32:55-59; 33:135-139
Miscarriage 26:223-224; 29:103
Missouri geochemical factors, caries 22:141, 141-142
Mitochondria 3:181-187; 5:67-72, 72-73; 6:224-245
7:63; 9:9-17; 12:114-124; 15:162; 21:32-38; 29:254-255
Mitochondrial
activity and F⁻ 21:93-99
membrane 33:115-120
morphology, rat hepatocytes 32:106-107
respiration 10:63-72; 17:94-104; 26:3-22
Mitogen-activated protein kinase (MAPK) 30:190-191
Mitotic activity
cornea epithelia 6:179-181; 8:47-50 (cn 120)
HeLa cells 20:39
MOD DDE Index 32:36-37. *See also Enamel defects*
Moenckeberg calcifications 17:4-8
Molar morphology, rats 23:149
Moldova Republic, soil F⁻ 31:S3, S4; 32:67-70; 71-73
Molecular basis, dental fluorosis 22:137-140
Moles (F⁻) conversion to ppm 2:183-184
Moles and F⁻ emissions 21:210, 211
Mollusk (*Hyriopsis schlegelii*) nacre 34:204-205
Mollusks (bivalve) 18:12-14; 20:84-91
Molo, Nakuru District, Kenya 28:17-20
Molybdenum 2:176-180; 11:159-160; 13:49-57, 96-99
26:217
Mongolism *See Down's syndrome*
Monkeys (*Rhesus*) 9:213-214; 22:20-24
Monocarbon acids in rumen 5:200-208; 10:5-12
Monoclonal-antibody 26:234-235
Monofluorophosphate *See Sodium monofluorophosphate*
Montana
fluoride pollution 6:127-137; 7:7-31, 181-199; 8:182-191
10:14-21, 47-62; 11:135-141, 211; 12:9-17
wildlife F⁻ content 7:7-31; 8:92-97, 125-133, 182-191
9:73-90; 10:47-62
Moose (*Alces alces*) 29:177-178
Moringa oleifera (radish tree) 35:251-252
Morocco
dental caries or fluorosis 23:143-144; 24:127
environmental fluoride 14:169-171; 23:143-144
Mortality rates, cancer *See Cancer mortality rates*
Motor coordination 32:120-121; 34:154
Motor cortex 35:12-21
Mottled teeth 8:117-118. *See also Dental fluorosis*
Mount
Etna volcano 10:152-156; 22:59-65
Ruapehu, NZ, volcano 31:51-52, 223
Mountain birch (*Betula tortuosa ledeb*) 15:124-131
Mouse *See Mice*
lymphoma cells 22:47, 207-208
osteoblasts 34:204-205
Mouthrinse and plaque mineralization 23:146
Mouthrinse/Mouthwash *See F⁻ prophylactics, mouthrinse*
Mouthrinsing and F⁻ retention 27:113
Mud-bath therapy, osteoarthritis 17:267
Mudskipper (*Boleophthalmus dussumieri*) 19:58-60
121-123; 21:131-136
Mule deer 8:92-97, 182-191; 9:73-90
Multiple myeloma 5:226-227
Mung bean (*Vigna radiata*) seeds .. 20:113-117; 29:3-6, 72-76
31:81-88; 32:171-178
Muscarinic receptor 25:196
Muscle
degeneration, fluorosis 7:177-181; 9:9-17; 22:72-77
24:123
effects 32:215-229
fatigue 5:43-45
histochemistry 33:224
histology, rabbits 9:9-17; 22:72-77; 24:123
protein 32:120-121; 34:210-211
tissue enzymes 16:48-51; 21:131-136
twitch and fluoride 21:213
ultrastructure, rats 29:59-62
Musculoskeletal disease 14:172-181; 19:49-50
Mussel (*Indonaiia caeruleus*) *See Mollusks (bivalve)*
Mutagenicity and fluoride *See F⁻ and mutagenicity*
Mutans streptococci *See Streptococcus mutans*
Mutations, modifying factors 20:48
Myelopathy 9:168-169; 12:188-194; 21:212-213; 29:181
Myeloperoxidase 15:51
Myocardial
cells (rats), F⁻ toxicity, rats 31:26-32
damage 4:199-204, 204-209; 34:43-50
Infarction 19:39
sarcolemma, rats 17:138
Myosin
light chain phosphorylation 32:97-98
tryptophan 510 32:103
Na⁺, K⁺, 2Cl⁻-co-transport 27:58
Na⁺-H⁺ exchanger 27:58; 33(1):S3; 34:174-180

- N-acetyl- β -D-glucosamidase (NAG)31:S9; 32:263
33(1):S29-S30, 210-217; 34:212
- NADPH 15:132-136
- Nairobi, Kenya25:111-114; 35:193-196
- Na-K-ATPase pump 35:207
- Naked fluoride ion26:75-76 (cn 164)
- Nalgonda District, India See *Andhra Pradesh, India*
- Nanocrystals, hydroxyapatite 32:98-99
- Nasal pathology, aluminum worker6:138-142; 17:114-118
- National
Academy of Sciences
cattle standards 13:145-147, 171-172; 17:199-200
20:101-103, 142, 143-144; 31:S6
Dietary Reference Intakes30:252-257, 258-259
31:153-155, 156-157; 32:187-190, 191-192 (cn 263)
- Research Council,
Canada 12:1-3
USA 26:274-277, 278-279, 279-281, 281
Survey of U.S. children, caries 23:55-67
Toxicology Program (NTP) 24:85-89; 26:69-70
79-82; 29:237-240 (cn 30:74)
- Natriuresis 32:121-122
- Neighborhood fluorosis symptomatology 1:123; 2:206-213
31:13-20. See also *Environmental F⁻*
- Neoplasms 28:108-109, 112
- Neoplastic transformation, SHE cells 17:261-262
- Nephritis 8:118-119
- Nephrocalcinosis 11:41-42
- Nephrogenic diabetes, fluorosis 8:117-118
- Nephrolithiasis and fluorosis 34:269
- Nephrotoxicity
anesthetics See *Kidney effects, anesthetics*
mechanisms, anesthesia 28:225, 225-226; 30:70
mice 34:206
- Nerve conduction velocities 19:181-183
- Net Assimilation Rate 25:175-182
- Netherlands See *The Netherlands*
- Neurodegenerative changes 35:12-21, 204
- Neuron apoptosis 33(1):S14-S15; 34:82
- Neuropathy 27:189-193
- Neurotoxicity 28:151-152; 29:57-58; 31:59, 91-95, 96-99
S23, 24; 34:80, 82, 84; 35:204. See also *F⁻ and brain effects*
- Neutral lipid 32:33-34
- Neutrophil
degranulation 19:90-91, 157-165; 24:117; 33:108-114
stimulation 33:159-167
- Neutrophils 25:195
- New Delhi, India, ISFR Conference Report 19:1-3
- New Mexico
school fluoride poisoning 13:170-171
well water F⁻ 20:37
Deming/Lordsburg caries/fluorosis 21:104
- New South Wales
environmental F⁻ 21:60-68; 23:187
sand mining 31:51
- New York
City 5:229-231, 231-232; 6:69-70
fluoride standards 13:171-172
State, bone cancer 26:68; 29:237-240 (cn 30:74), 252
- New Zealand 25:95; 30:126-127, 197-199; 31:S13
- dental
caries 19:98-100; 21:1-4, 45-46; 22:40-41; 23:104-111
111-118; 26:125-134; 27:13-22; 31:219-220; 32:255
fluorosis 17:234-242 (cn 18:121); 23:104-111
environmental fluoride 31:51-52, 223; 34:280
water fluoridation report 28:33-36, 213, 214
- Newburgh, New York 3:71-79 (cn 203); 23:50; 30:261-266
32:117-118; 33:220; 34:73-74
- Newburgh Town, New York 32:256-257 (cn 33:98)
- Nickel in water 21:106
- Nicotiana tabacum* 7:69-77
- Nicotinamide adenine dinucleotide 15:48; 23:192
- Niflumique acid and fluorosis 14:46; 15:54-56
- Nigeria, Africa 35:57
- Nissol, organofluoride 3:102-103, 121-136
- Nitrogen and fluoride 2:142-152; 11:68-75
- N,N*-dimethylformamide 15:48-49
- Noncompetitive inhibition 33:115-120
- Non-dental tissue effects of F⁻, review 28:56
- Non-ionic fluoride See *Blood F⁻/Serum F⁻/Plasma F⁻ vs ionic F⁻ equilibrium* 22:20-24
- Non-protein nitrogen (serum) 5:46-48
- Non-skeletal fluorosis 9:1-4, 5-8; 11:111-114. See also *F⁻ toxicity, non-skeletal/preskeletal*
- Non-ulcer dyspepsia See *Dyspepsia*
- Noradrenaline 24:121
- Norethindrone 29:41
- North American Indian children See *Akwesasne Reserve*
- North Gujarat, India 25:101-110; 27:215-219; 29:63-71
- North Wales
environmental fluoride 21:210
opacities, demographic/social variation 28:161
- Northern Cape communities, S Africa 35:138-139
- Norway
dental caries 29:122-123; 30:248; 33:88
dental fluorosis 31:101
environmental fluoride 29:104-105, 177-178; 30:188
244; 32:256; 33:46-47
- NTEU White paper, fluoridation 32:179-186
- N-type Ca²⁺ channels 32:102
- Nucleic acid 6:154-162; 26:191-196
metabolism, mice 33(1):S28-S29
- Nucleocidin 35:255-256
- Nucleotide analog 32:103
- Nutrient or contaminant? 29:129-130, 189; 30:73
- Nutrient utilization 30:165-172
- Nutrition
factors and
caries 29:126-127; 32:131-132
fluorosis 6:4-17; 12:144-154; 30:66, 77-80; 31:S5
32:118-119, 128; 33:187-195; 34:209-210; 35:51-55
(cn 142)
skeletal fluorosis ... 17:14-22; 25:65-70, 191-192, 193-194
29:20-24

- tooth eruption, survey 27:236-237
tooth wear 27:136-140; 35:51-55
survey, China 30:77-80
Nutritional supplements, fluorosis treatment 20:189-190
23:147; 30:68-69
- O₂ evolution 24:11-16
Oak Ridge, Tennessee 15:14-20
Obesity and anesthesia 26:284; 27:117-118
Öbrink diffusion method 11:170-178; 33:196-204
Occlusion vs F⁻ distribution, rat molar 26:160
Occupational fluoride
and
bone changes 22:157-164; 23:47; 24:95-99; 26:140
See also Occupational fluorosis
bone mineral density 31:S15; 32:259-260
cancer 18:181-186; 26:144-145; 31:225-226; 33:46-47
cardiac effects 18:46-53; 19:49-50; 20:118-125; 26:140
eye damage 7:172
gastrointestinal effects 26:140
hair F⁻ 4:98-100; 27:52-53; 33:149-150, 196-204
musculoskeletal disease 14:172-181
nasal mucosa/septum 6:138-142; 17:114-118
periodontal disease 4:101; 11:107-108; 12:214-215
16:5-10
pulmonary effects 9:165; 10:125-136; 16:72-82; 18:240
19:49-50; 20:44; 24:90-94; 26:141, 223, 229; 28:114,
223; 29:255; 31:225-226; 32:260; 33:46-47
reproductive effects 26:223-224; 29:103
respiratory tract 4:149-150; 6:122, 138-142; 12:214-215
SCE frequency 28:149
telangiectasia 18:122-123
urinary F⁻ *See Urinary F⁻, occupational*
bioindicator, urinary F⁻ 18:173; 28:40; 33:95
biomonitoring 9:215-216; 12:48-49; 14:75-86; 20:189
22:85-89; 24:62-65; 66-70, 90-94; 26:78; 27:52-53;
28:40, 224; 29:163-165; 30:61-63
body burden 24:62-65
- burns *See Hydrofluoric acid burns*
developed vs developing countries 29:255
exposure 7:226-227; 14:44; 17:159-167, 200; 20:79-83
26:224-225; 31:137-142; 33(1):S21-S22, 92-93; 34:192;
35:22-27
review 31:225-226
poisoning 2:140-141; 16:72-82
- Occupational
fluorosis 2:120-124; 6:122, 168-169; 7:62-63, 172
8:61-83, 177; 9:30-32, 127-137, 170-172; 10:91-92 (cn
190); 125-136; 11:29-32, 46-50, 51-55, 151-155; 12:18-
27, 91-99, 103-104, 214-215; 14:61-68, 172-181; 16:90-
100; 17:23-26, 114-118, 148-154; 18:46-53; 19:49-50,
80-86; 20:118-125; 22:157-164; 23:47; 28:203-208;
29:109; 30:186-187. *See also Skeletal fluorosis*
book review 12:209-210
compensation analysis 21:177-184
diagnosis, microdensitometry 24:71-75
predisposition risk factors 26:257-262; 27:194-200
28:113; 33(1):S31-S32
prevention 8:61-83; 9:215-216; 28:223
radiological criteria 15:107-108; 17:114-118
treatment 17:267
health survey, China 24:62-65; 66-70, 90-94
95-99; 31:S7, S15
hygiene and organofluorides, book review 10:189-190
Octacalcium phosphate 32:96-97
Ocular effects, rabbits 3:210
Odontoblast 26:230-231
Odontogenesis, rats 33(1):S27-S28
Odontometry 22:96
Oncogenicity, rats/mice 28:228-229
Optical techniques, fluorosis assessment 28:163
Optimal fluoride
in water 6:188; 8:242-243; 32:39
intake 29:113, 130, 189; 30:73, 139
203-204, 272-274; 33:43
- Oral
bacteria,
acid production 18:123, 170-171; 19:193; 27:112
29:118-119, 127
cellular lysis 18:175
fluoride antimicrobial actions, review 29:119
F₁F₀ ATPases 25:198-199
cancer *See Cancer*
Oral cont'd
clearance bioactive materials 27:171
fluoride
reservoir 27:169-170; 28:170; 29:118-119
retention 25:204-205; 27:113, 169-170; 34:77
health *See Dental health*
hygiene, review 32:123. *See also Caries and oral hygiene*
keratinocytes 18:64
mucosa pathology 14:101
- Organ
histology, pigs 23:68-79
histopathology, dogs 33:33-38
of Corti, histology 8:115
Organelle morphology, rabbits 21:32-38
- Organic
acids in plaque 30:115
fluoride 26:141, 212, 223, 223-224
in blood/serum 31:S34
fluorine and hydrogen bonds 30:191
- Organofluoride
in blood, rats 21:107
in human serum 14:195
poisoning 3:121-136; 4:129-136, 137-142; 5:132-135
7:135-142; 12:49-51, 76-84
- Organofluorides and industrial hygiene,
book review 10:189-190
- Organofluorine compounds 1:9-14, 14; 3:47-48
4:1-4, 41-42; 5:4-14, 103-106; 6:187-188 (cn 7:108), 189-
194, 194-202, 203-215, 215-224, 224-245; 7:108; 9:204-
212 (cn 10:44); 15:51; 16:106-111; 17:94-104; 21:107,

- 201-209; 22:174-178; 35:255-256
acute toxicity..... 3:102-103
Organophosphate biomonitoring 30:251
Organophosphate decontamination 26:217
Organo-somatic index, female mice 33:17-26
Orthodontic problems and fluoridation..... 23:100
Osteoarthritis2:120-124; 17:267; 22:142-143; 34:274
Osteoblast See *Bone osteoblast*
Osteoblast-like cell culture.....19:36-37; 27:116-117
230; 32:261
Osteocalcin23:188; 25:199-200, 200, 203, 204
26:150, 152; 28:159; 33(1):S25; 34:214-215
Osteocyte capsule microstructure, rats 23:27-30
Osteofluorosis See *Skeletal fluorosis/Rabbit/Rat/Pig
osteofluorosis*
Osteogenesis 26:71, 72; 27:118-119; 29:41
imperfecta.....5:166-167
Osteoid See *Bone osteoid*
Osteomalacia 3:209; 4:114-128; 8:118-119; 9:91-98
213-214; 12:58-64, 195-208, 211; 14:101; 15:1-3, 105;
18:69-70; 20:36-37; 23:37-42; 29:79-81
and nutrition.....29:20-24
in children 17:9-14, 55-56
Osteopathy, occupational 29:109
Osteopenia17:53-54; 26:73, 74, 282; 28:157-158; 29:181
30:245-246
Osteopetrosis..... 4:42-43
Osteoporosis..... 1:56-64; 2:125-127; 3:164-166; 5:54-55
125-130, 227-229; 6:123-126; 7:105-108, 109-110; 9:19-
24, 185-200; 10:43-44; 12:195-208; 13:86-87; 14:44-45,
101; 15:1-3, 21-25, 25-31, 105; 16:1-4, 65, 188, 189-190;
17:53-54, 55-56; 19:38-39, 61-64, 194-195; 20:1-3 (cn 63),
36-37, 147-148; 21:48-49; 22:142-143, 147-148; 23:139,
139-140, 140; 24:44, 47-48; 25:45, 46, 92, 93, 162-164;
26:71, 72, 73, 74, 149, 150-151, 152, 232, 234, 285;
27:111, 167-168, 172-173, 227-228, 229, 234; 28:42-43,
44, 46-47, 109, 155, 156, 220-221; 29:36-37, 38, 38-39,
79-81, 107; 30:85-88 (cn 194), 117-118, 122-123, 123;
31:100; 32:27-32, 55-59, 98, 124-125; 33:66-73 (cn 148);
34:71-72. See also *F⁻ and osteoporosis*
experimental 2:125-127; 3:204-207; 4:154-166
5:182-198; 6:118-119; 9:213-214; 10:82-86; 18:203-207;
20:104-108; 21:76-81; 26:146, 222, 226-227; 28:157-158;
30:119-121, 189, 190; 33(1):S15-S16, S34
management.....23:45; 26:152-153; 30:121; 32:122
treatment 28:220-221; 29:40, 42; 30:119-121, 189
Osteoporotic fractures... 10:43-44; 13:86-87; 16:188, 189-190
19:51-54, 194-195; 20:1-3 (cn 63); 22:133-136; 23:49; 51-
54, 139, 139-140, 140; 24:44, 47-48, 50; 25:45, 46, 92, 93,
202-203; 26:71, 72, 74, 150-151; 27:172-173; 28:56; 29:38;
30:122-123; 32:122, 129; 34:71-72
Osteosarcoma See *Cancer, bone*
cells and fluoride.....28:108; 29:41; 30:190-191
Osteosclerosis 1:56-64, 65-75, 86-93, 94-102, 113-116
117-118, 122; 2:120-124, 142-152; 4:42-43; 5:125-130;
6:122; 7:200-208; 8:61-83, 118-119; 9:19-24, 91-98, 138-
146, 185-200; 10:91-92 (cn 190), 125-136; 11:29-32, 115-
119; 12:49-51, 195-208; 14:46, 61-68; 15:1-3, 21-25, 25-
31, 81-87; 16:83-90, 106-111; 17:9-14, 14-22, 23-26, 55-
56; 18:198-203; 19:80-86; 20:104-108, 147-148; 21:39-44;
22:112-118; 23:47, 185-186; 24:71-75, 95-99, 117; 26:282;
29:20-24, 79-81, 181; 30:85-88 (cn 194); 31:S11; 32:55-59;
33:66-73 (cn 148); 34:192-193; 35:246-247
reversibility 7:62-63
Osteosclerotic changes, sex differences 18:203-207
Otosclerosis 8:115; 16:255-256; 21:13-21; 25:5-22
28:109; 31:53
Otsu City, Shiga, Japan, ISFR conference report. 34:224-226
Our Stolen Future, book review 29:227-229
Ovarian
DNA/RNA 27:76-80
metabolism 31:S27
protein..... 34:9-20
steroidogenesis 34:206-207
Ovariectomized rats, F⁻ and bone 25:200; 26:222
28:157-158; 29:108; 35:247-248
Overfluoridation See *Fluoridation accidents*
Oxidase system..... 15:132-136
Oxidation homeostasis, rat hepatocytes 33(1):S30-S31
Oxidative
enzymes 33:6-16. See also *Antioxidative enzymes*
metabolism 34:21-33
stress 34:103-107; 35:197-203
Oxygen
consumption and F⁻ 13:70-75, 117-121; 14:115-118
16:48-51, 243-246; 17:105-107; 20:84-91
radicals 30:5-15; 31:43-45
Ozone
and F⁻, growth retardation 11:55-59
and plants 6:33-40
depletion 8:121-124
P/q-type Ca²⁺ channels 32:102
Paget's disease 15:137-143; 26:149
Palatal development..... 6:185-186
Paleopathology of skeletal fluorosis..... 33:42-43
Pan-Asia-Pacific Conference
Announcement..... 31:130, 176; 32:6
Report 32:251-254
Pancreas 33(1):S7; 34:79
histology, rats..... 33(1):S13-14
ultrastructural changes, rats 33:85-86
Pancreatic beta-cell function 26:142
Paradoxical
dose response 29:227-229
review 35:143-147 (cn 230)
fluoride effect 2:136-140; 20:39; 29:230-236
30:131-133, 134-135, 199-202, 272-274; 31:245; 32:43-
44; 35:153-160
low-dose conference 35:230
Parathyroid
extract 2:106-115
function See *F⁻ and parathyroid*
gland, ultrastructural study 15:208-214

- glycogen accumulation..... 15:53; 208-214
 histology 12:124-128; 13:17-19
 hormone 6:183-184; 7:200-208; 9:185-200; 12:84-91
 13:42-43; 21:45; 22:147-148; 30:119-121, 189; 34:156;
 35:246-247
 Parboiled rice and F⁻ in water 29:193-201
 Parental education 29:190-192
 Parotid
 glands..... 15:50, 214-221; 17:217-223
 saliva F⁻ content..... 11:210; 32:257
 salivary flow and cAMP, rats..... 17:217-223
 Particulate F⁻ 5:111-114; 13:105-117; 16:229-234
 235-242, 258-259; 18:173; 34:192
Parus major, egg F⁻..... 11:198-207
 Passive dosimeter, HF determination..... 35:22-27
 Pathogenesis of dental fluorosis/bone formation... 19:105-207
 Pea epicotyls, Hill reaction..... 12:155-162
 Peanut butter 28:111
 Peas (*Pisum sativum*)..... 12:155-162; 15:105; 21:54-57
 Pediatric
 dental patients 29:115
 dentistry..... 32:115-116
 toothpaste..... 28:215
 Pediatricians/Pediatric dentists, F⁻ survey 26:156
 Pedicles F⁻ content..... 30:243-244
 Pegmatite..... 35:211
Pelargonium hortorum..... 16:220-228
 Penthrane..... *See Methoxyflurane*
 Peptic activity, rats 17:178-182
 Perfluorochemicals 6:71-72, 84-93; 21:107
 Periapical osteolysis 2:176-180
 Perils of Progress, book review 31:102
 Periodontal
 disease 4:101; 11:107-108; 16:5-10; 22:141; 32:114-115
 subgingival irrigation..... 19:90-91
 tissue histology, rats..... 17:144
 tissue necrosis..... 32:125
 treatment and root caries 26:158
 Periosteal hyperostosis..... 26:105-110
 Periostitis deformans, wine fluorosis 1:56-64
 Periostitis, NaF therapy..... 25:92
 Periprosthetic bone density 32:7-13
 Perisinusoidal (Ito) cells 34:202
 Peritoneal dialysis 30:249
 Permanent dentition..... 32:129-130
 Peroxydase activity, tobacco 12:33-38
 Pertussis toxin..... 24:117; 32:106-107
 Peyers' patches 25:97
 pH
 and
 alum waste, F⁻ removal in effluent..... 23:35-36
 aluminum leaching, utensils 21:58-59
 cell proliferation..... 23:189-190
 fluoride
 absorption 10:145-146
 binding 25:171-174; 27:145-150
 in water 33:121-127
 inhibition 7:64; 22:94
 toxicity..... 29:184; 33:55-65
 platelet secretion..... 16:132, 152-161
 soil fluoride.. 11:18-24; 12:28-32; 16:247-251; 20:126-136
 25:135-142; 33(1):S33; 35:110-121
 sperm..... 27:231-232
 cycling caries model 26:291; 29:117
 Phagocytic activity 33:159-167
 Phagocytosis..... 15:4-13; 33:108-114; 34:276
 Phalanx growth 27:23-31
 Pharmacokinetic
 model, bone F⁻ uptake 28:220
 study 14:143; 16:54-60; 17:264-265, 266; 25:197-198
 27:168; 32:257
 Pharmacokinetics, osteoporosis drugs 26:285, 286
 28:46-47, 47
 Pharmacological effects Al/F complexes 32:230-242
Phaseolus aureus..... 18:15-22
 Phenylmethylsulfonyl fluoride 3:43-45
 Phenytoin, osteogenic agent..... 28:159
 Phillipsburg, New Jersey..... 8:114-115
 Phosphatase activity, cell cultures 17:143-144; 23:98-99
 25:199-200; 26:150, 152
 Phosphate 2:153-156; 8:208-223; 11:41-42, 101-103
 106-107; 13:10-16; 16:130-131; 26:73; 27:229-230; 28:108
 analogs, aluminofluoride complexes 32:230-242
Phosphate cont'd
 and calcium, amelogenesis 24:118
 dust..... 31:137-142
 fertilizer
 accumulation..... *See Fertilizer*
 factory workers 4:101; 29:163-165
 industry, environmental F⁻ 3:22-26, 27-30, 97-99
 8:25-33; 16:235-242; 19:4-10, 124-131 (cn 187);
 20:154-161; 21:185-192; 22:179-187; 23:129-136;
 27:141-144; 28:149; 29:179; 31:137-142; 33:147-148;
 34:51-54
 fluoride content 2:244; 3:36-39; 8:25-33; 13:57-64
 14:69-74
 industry waste F⁻ content 23:119-123
 (inorganic), structural analogs 23:182, 183
 manufacturing, environmental F⁻ 2:72, 97-105, 206-213
 5:145-163; 7:181-199; 8:25-33; 14:112-114, 161-168;
 19:61-64; 20:42-43; 23:143-144; 25:23-36; 30:242;
 32:74-83; 33(1):S21-S22
 precipitation 32:84-90
 rock..... 2:4-12 (cn 2:127); 7:7-31, 181-199; 13:57-64
 18:233-234, 19:61-64
 supplements 3:36-39; 7:84-88; 12:100-102; 14:41, 194
 18:233-234
 Phosphatic supplements 27:3-6
 Phosphatidic acid 16:129, 152-161
 Phosphaturia 11:106-107; 15:157-161
 Phosphodiesterase activity 17:210-217; 20:97
 Phosphoenolpyruvate 20:46-47
 Phosphogypsum pond 14:161-168
 Phosphoinositide..... 23:184-185

- Phospholipase a 32:104-105
 Phospholipase D 25:195
 Phospholipids,
 rabbits 22:33-39; 25:77-84, 149-154
 rats 27:201-204; 29:44-45; 30:41-50; 32:33-34
 33:143; 34:80-81
 Phosphoric acid 8:25-33; 32:84-90
 Phosphorite dust 20:79-83; 22:24-28
 Phosphorus 2:142-152; 3:188-191, 204-207; 4:143-146
 5:136-144; 6:154-162; 7:200-208, 208-219; 8:12-24, 116-
 117; 10:76-82 (cn 148); 11:41-42, 68-75, 101-103, 104-
 105, 166-170, 208; 13:30-38, 129-138; 14:95; 15:64-69;
 18:216-220, 228; 19:169-172, 184-187; 21:87-92; 26:211,
 226-227; 27:119, 151-154; 29:54; 34:197; 35:141
 -fluoride interactions, review 25:99-100
 intermediates, platelets 9:173-184
 metabolism 13:30-38, 129-138; 22:147-148; 25:197
 31:226
 supplements 26:105-110
 Phosphoryl transfer 35:140
 Phosphorylase
 activity 34:9-20; 21:33
 in soft tissue 5:41-42; 27:205-214; 29:217-226
 Phosphorylation 16:129, 152-161, 181-186; 18:72-79
 26:234-235; 27:58
 Photon-absorptometry 12:18-27; 18:187-197; 20:36
 Photoperiod, testicular zinc 29:183-184
 Photorespiration 15:149-156
 Photosynthesis 30:36; 5:145-163; 11:89-99; 15:149-156
 18:72-79; 25:115-122; 31:226
 Photosynthetic
 parameters, azalea 24:11-16
 pigment content 33(1):S33-S34
 Physical development, children 21:87-92; 34:209-210
 Phytase activity 6:154-162, 162-178
 Phytotoxic effects on grain crops 25:115-122
 Pig fluorosis 16:33-37; 18:187-197; 19:41-42; 20:149-150
 21:45; 23:68-79
 Pig studies 11:4-13 (cn 155); 16:33-37; 18:187-197; 23:68-79
 Pigs, F⁻ pharmacokinetics 17:59-60; 19:192
 Pine (*Pinus strobus*) sterols/protein ratio 30:242-243
 Pineal gland, F⁻ deposition 34:152
 Pineal gland, melatonin synthesis 31:S24
 Pine trees and F⁻ damage 6:127-137; 9:63-70; 10:14-21
 47-62; 11:135-141, 211; 12:9-17, 13:105-117; 15:14-20
Pinus contorta/monticola, F⁻ emissions 11:211; 12:9-17
 Pit and fissure sealants 27:56, 56-57
 Pituitary-adrenal function, F⁻ toxicity 26:76
 Placenta fluoride transfer 8:178-181, 241; 12:58-64
 13:143; 15:222; 21:60-68
 Placenta histology 6:67
 Placental fluoride-calcium distribution 31:131-136
 Plagued no more: 50 years of F⁻, review 29:97-98
 Plant
 crop yield and F⁻ 13:122-129; 19:150; 25:115-122
 cuticles, F⁻ permeability 20:94
 damage,
 differential diagnosis 6:33-40
 fluoride and SO₂ 3:137-142
 particulate fluoride 16:235-242
 fluoride
 and soil F⁻, irrigation 20:14-17
 distribution 21:69-75
 -metals interaction 28:180-188
 ion mobilization, emissions 19:138-146
 metabolism, biochemical processes 23:5-19
 33(1):S11-S12
 physiological and biochemical disorders 26:3-22
 phytomass 18:15-22
 propagation media, F⁻ toxicity 8:85-91
 respiration 1:38-40; 4:30-36; 5:145-163; 11:89-99
 25:115-122
 sample analysis, F⁻ separation 32:117
 stomatal movement 16:220-228
 studies 1:21-26, 27-33, 34-36, 37, 38-40; 2:76-84, 222-
 228, 229-235; 3:40-41, 45-46, 66-71, 153-159; 5:67-72,
 111-114, 145-163; 6:162-178, 203-215; 7:31-35, 69-77;
 8:85-91; 9:204-212 (cn 10:44); 10:63-72, 157-164; 11:18-
 24, 76-88, 179-186; 12:33-38, 155-162; 13:105-117, 122-
 129; 14:30-38; 15:144-149, 149-156; 16:106-111, 220-
 228, 235-242; 18:15-22, 72-79, 208-211; 20:126-136,
 177-182; 21:54-57, 185-192; 22:179-187; 24:11-16, 109-
 113; 25:175-182; 29:3-6, 72-76; 32:171-178
 Plant water balance 1:38-40
 Plaque *See Dental plaque*
 prevention 7:57-58; 10:89-91
 Plasma
 alkaline phosphatase 5:213-219; 25:200; 26:74
 NaF supplements 14:42-43
 biochemical parameters 5:115-125; 7:200-208
 biochemistry, goats 26:241-246
 calcium 2:190; 16:130, 130-131; 21:45; 27:234
 31:131-136; 34:184-185
 cAMP, fluorosis 15:202-208; 26:74
 chemical profile, F⁻ toxicity 13:151-159; (cn 14:68)
 cholesterol 20:137-141
 constituents and bound F⁻ 25:85-91
 corticosteroid 24:23-28
 electrolytes and metabolites, rats 28:152
 Plasma fluoride
 and
 age 8:198-207; 9:218-219; 10:146-147
 anesthesia 24:124; 26:284; 28:225-226. *See also*
 serum F⁻
 bone fluoride 9:218-219; 19:192; 27:234
 brain fluoride, rats 28:151-152
 breast milk fluoride 18:238
 disease 8:198-207; 12:5-8; 15:31-35; 16:192
 enamel fluoride 19:33-34; 20:43
 fluoride absorption 20:46; 27:234; 35:62-63
 fluoride intake 14:145; 31:33-42
 glucose 28:152-153
 hemodialysis 15:35-43; 23:44-45; 30:249-250
 31:226; 32:107

- NaF supplements 11:210; 14:143; 16:54-60; 27:168
occupational exposure 19:190-191; 28:114
osteoporosis 10:43-44
placental F⁻ 31:131-136
plasma cholesterol 19:71-77
pregnancy 7:143-146; 8:198-207, 241; 12:58-64
14:4-9 (cn 18:226); 21:103
Plasma fluoride cont'd
and
salivary F⁻, biomarker 32:257
skeletal fluorosis 11:115-119; 15:43-47
topical F⁻ 13:172-173; 17:264-265; 23:148
See also Serum F⁻ and F⁻ dentifrice
dose-response 19:192; 33(1):S9-S10, 218-219
half-life 17:59-60, 266; 19:192
in
animals 17:59-60, 107-114; 18:67-68; 19:41-42
21:45; 23:142; 25:205
cattle 4:147-148; 11:161-162; 25:85-91
children 10:187; 19:35-36; 26:111-114
rats 4:98-99; 14:145; 15:214-221; 16:130; 18:127
19:33-34, 108-112; 20:43, 46; 21:5-12; 25:197; 26:212;
27:234; 28:3-9; 29:102; 31:33-42; 33(1):S9-S10, 218-
219; 35:185-192, 247-248
ionic 17:124-131
fluoride/total F⁻ 14:145; 22:174-178; 24:127
Plasma
glycoproteins 13:151-159 (cn 14:68)
immunoreactive parathyroid hormone 7:200-208
11:115-119
membrane composition, pine seedlings 30:242-243
protein level 34:132-138
proteins 13:70-75; 14:115-118
urea clearance 5:48-50
Platelets *See Blood platelets*
Poland 32:91-95
dental
caries 4:101; 15:70-75, 78-81; 19:191; 33(1):S6
S24-S25, (3)S8
fluorosis 15:70-75; 18:30-36; 21:87-92; 26:37-44
environmental F⁻ 6:138-142; 11:170-178; 14:112-114
15:21-25, 78-81; 16:151; 19:4-10, 49-50, 90; 20:49-50;
21:87-92; 22:169-173; 23:119-122, 137-138; 27:141-144;
33(1):S1, S21-S22, S24, S35-S36, S36-S37; 34:51-54,
197-198, 217-218; 35:239-243
Poland cont'd
skeletal fluorosis 30:186-187
Symposium
environmental F⁻ 20:49-50; 23:137-138
fluoride
and bioelements in biology/medicine 31:217-218
compounds 22:90-91
analysis 30:59-60
biological risks 25:169-170
in toxicology, medicine, environment 32:248-250
metabolism 13:39-41; 17:197-198, 259-260; 28:25-27
Szczecin, ISFR Conference report 33:103-104
Police, Poland chemical plant 15:78-81; 16:151
33(1):S35-S36
Poliovirus inactivation and pH 15:221
Polk County, Florida 5:145-163
Polyacrylic acid 32:98-99
Polycyclic aromatic hydrocarbon 21:5-12; 33:46-47
Polydipsia 4:1-4; 6:64-65; 7:93-105; 8:117-118
Polymer fume fever 7:226-227; 8:121-124; 32:122-123
Polymorphonuclear
leukocyte adhesiveness 26:77; 32:262-263
leukocytes 15:51; 17:72-80; 30:5-15; 32:262-263
33:108-114
Polyphenoloxidase activity, tobacco 12:33-38
Polyphosphoinositide metabolism 25:196
Polysaccharides, rats 29:180
Polysome activity 6:162-178; 11:55-59
Polysomes 21:93-99
Polytetrafluoroethylene (Teflon) 7:226-227
Polyuria 4:1-4, 37-38, 38-39; 6:64-65; 7:93-105
8:117-118; 11:101-103, 106-107; 15:157-161
Porphyrins 7:69-77
Portland cement deterioration, airborne F⁻ 29:89-94
Positron emission tomography (PET) 33(1):S10-S11
S11, 224-225
Post-column fluorimetry, F⁻ analysis 32:116-117
Post-eruptive effects, fluorosis 27:236
Postmenopausal
osteoporosis *See Osteoporosis*
women 32:122
Potable water fluoride 25:143-148
Potassium
and fluoride 11:68-75; 13:4-9, 148-151; 14:146; 16:60-63
32:107; 35:140
fluoride 15:48-49, 50, 221, 222; 22:47; 26:159; 27:110-111
Potato tubers, phosphate absorption 8:208-223
Potentiometric F⁻ determination 9:54-63; 21:69-75
26:163; 32:109
Pottery F⁻ emission 3:61-65
Poultry
mechanically deboned 17:54-55
nutrition and fluoride, review 3:36-39
Power plant emissions *See Coal-fired power plant*
Precancerous liver lesions 28:112
Prednisone-induced osteoporosis, dogs 26:146
Pre-eruptive
(systemic) vs post-eruptive (topical) 32:111-112
effects, fluorosis 27:236
Pregnancy and fluoride 7:143-146; 8:178-181, 198-207
241; 12:58-64; 14:4-9 (cn 18:226); 15:222; 19:90; 21:60-
68, 103; 26:223-224
animals 13:143; 14:90; 16:23-33; 18:216-220; 27:136-140
33(1):S27-S28; 34:184-185, 242-249; 35:131
Premature births 19:90; 26:223-224
Prenatal fluoride supplements 15:222; 30:192
Preschool children and F⁻ 20:190; 21:1-4; 27:113, 236-237
Pre-skeletal fluorosis *See F⁻ toxicity preskeletal phase*

- Preterm babies, plasma F⁻ 26:111-114
 Prevention/Preventive programs..... *See Caries/Dental health programs*
 Primary
 aluminum industry 32:260
 dentition, caries or fluorosis *See Caries in deciduous teeth/Dental fluorosis in deciduous teeth*
 Primate cell line, chromosomal sensitivity 26:145
 Probe bending cleft..... 32:103
 Probit analysis 23:44; 28:230
 Professional
 fluoride applications..... 32:33; 34:218
 mind set..... 24:124
 Prolactin..... 30:173-178
 Proliferation..... *See Cell*
 Proline..... *See ¹⁴C proline*
 Prophylactic dental fillings 16:134-135. *See also fluoride prophylactic measures*
 Protein
 and fluoride interaction..... 22:42; 29:20-24; 30:66
 -bound carbohydrates 14:150-154
 content,
 enamel..... 19:101-102
 mice testes 32:162-170, 204-214
 plants 15:105; 18:15-22; 24:109-113
 soft tissues..... 16:60-63; 17:224-233; 20:183-188
 22:78-85; 27:205-214; 29:217-226; 34:21-33, 80-81
 deficiency 26:151; 32:204-214; 33(1):S7-S8; 34:209-210
 35:51-55 (cn 142)
 degradation, skeletal muscle..... 25:155-158
 iodination 15:4-13; 51
 kinase 26:234-235; 32:100-101
 kinase C 26:147, 210-211
 messenger RNA 27:118
 metabolism 20:183-188; 32:215-229; 33:182-186
 profile, rat testes..... 30:41-50
 -supplemented diet..... 32:204-214; 33(1):S7-S8
 synthesis 6:162-178; 11:55-59, 125-129; 12:167-168
 13:70-75, 173; 14:43, 96-97, 115-118, 182-191; 17:141; 20:39; 21:93-99
 Proteinases, enamel matrix 33:98
 Proteins in rabbit brain 27:155-159
 Proteoglycan 28:168
 structure..... 26:230-231
 Proteoglycans 34:279-280
 Proton induced gamma emission 35:176-184, 262
 Proton probe 29:122
 Proximal femur fractures 34:227-235
Pseudotsuga menziesii, F⁻ emissions 11:211; 12:9-17
 Psychopharmacology of F⁻, a review 27:164
 PTH(1-34) 27:111
 Pubertal development, gerbils 31:S24
 Public
 Health Goal, ingested F⁻ (IAOMT) 31:170
 water supply, F⁻ poisoning 27:163-164
 Pulmonary
 cancer, aluminum plants 2:189-190
 edema..... 5:4-14; 31:S8; 32:122-123
 effects, rats 33:159-167
 function 26:141. *See also Occupational F⁻ and pulmonary effects*
 hemorrhage, F⁻ fatality 24:126
 hydroxyproline 22:24-28
 Pulpal infection and F⁻ 2:176-180
 Punjab, India 1:65-75; 4:64-79; 6:4-17, 106-112; 9:138-146
 13:49-57; 16:198-208; 17:168-172; 18:149-156; 19:151
 Pyridinoline 28:157-158
 Pyrohydrolysis..... 22:174-178; 26:205
 Pyrophosphatase and fluoride 3:103-105; 7:58-59, 63
 8:163-172; 28:115-116, 174
 Pyruvate
 kinase-deficient erythrocytes..... 23:192
 production..... 16:117-128 (cn 191); 17:94-104
 Pyruvic acid..... 3:121-126
 Quail and fluoride..... 7:58-59; 8:163-172
 Quantitative
 backscattered electron imaging..... 30:190
 computed tomography..... 32:124-125
 Quercetin sulfonates 33:27-32, S17; 35:161-167
 Rabbit..... 28:29; 32:125-126; 35:207
 fluoride pharmacokinetics..... 25:197-198
Rabbit cont'd
 fluorosis 4:180-183, 199-204; 5:29-31, 33-35, 35-37
 38-40, 41-42, 46-48, 48-50, 50-53; 6:251-252; 7:177-181;
 9:9-17; 10:82-86; 11:25-28, 101-103, 125-129, 157-159;
 12:124-128; 13:129-138; 14:21-29; 15:75-78; 177-190,
 191-198, 202-208; 18:135-140, 203-207; 20:104-108;
 21:32-38, 76-81, 82-86, 127-130; 22:72-77; 24:123;
 25:77-84, 149-154, 155-158; 26:61-65; 27:76-80, 119,
 155-159; 28:39; 35:38-50
 studies 2:13-24, 49-54; 3:121-136; 4:180-183, 199-204
 5:4-14, 29-31, 33-35, 35-37, 37-38, 38-40, 41-42, 46-48,
 48-50, 50-53; 7:177-181; 9:9-17; 10:82-86; 11:25-28,
 125-129; 12:65-71, 124-128, 136-143, 172-176; 13:30-
 38, 129-138, 151-159 (cn 14:68); 14:21-29; 15:75-78,
 173-177, 177-190, 191-198, 202-208; 17:119-123; 18:41-
 46, 135-140, 146-149, 157-162, 203-207; 20:104-108,
 183-188; 21:32-38, 76-81, 82-86, 127-130, 167-170;
 22:33-39, 72-77; 24:23-28, 29-39; 25:77-84, 149-154,
 155-158; 26:61-65, 191-196; 27:76-80, 155-159; 33:108-
 114; 34:34-42, 43-50; 35:28-37, 38-50
 Rachitis and fluoride..... 13:99
 Radicle elongation..... 29:3-6
 Radiculopathy 6:4-17; 8:144-154; 11:33-36 (cn 155)
 12:188-194
 Radiograms, morphometric measurements..... 9:91-98
 11:46-50, 51-55
 Radiographic image analysis, computerized 26:37-44
 30:186-187
 Radiological observations, fluorosis..... 9:91-98; 10:82-86
 16:90-100; 17:148-154; 18:46-53, 86-92, 203-207; 20:118-

- 125; 21:76-81; 22:157-164, 195-203; 23:47, 185-186;
24:131; 26:282; 27:162; 29:110; 30:85-88 (cn 194)
- Radionucleotide imaging 33:224-225
- Rainbow Trout (*Salmo gairdneri*)..... 24:76-83
- Rainfall and fluoride
in parsley 19:4-10
release from grass 22:179-187
- Rainwater F⁻ content See *F⁻ in rain*
- Raisins and wine, F⁻ content..... 30:142-146, 274
- Ralla Anantapuram, India 26:177-180
- Ram semen 35:153-160
- Randomized clinical trials, osteoporosis review 32:129
- Rat 6:251-252; 9:120; 10:145-146; 11:106-107; 19:96
20:43, 45; 24:49, 129-130; 25:196; 26:72, 73, 143, 210,
210-211, 212, 230; 27:110-111; 28:150, 167; 29:39, 182;
31:91-95, 96-99; 33(1):S25, 85-86; 34:197, 208, 212;
35:131, 133, 140, 209, 210, 251-252
(*Sigmodon hispidus*), wild cotton 28:167
caries 9:120
femur 16:23-33, 169-174; 17:178-182; 18:216-220
33(1):S13, S15-S16, S26-S27, S34; 34:236-241; 35:247
fluorosis 4:154-166, 183-188, 190-193; 5:25-26, 27-28
50-53, 182-198; 8:163-172; 15:107, 208-214; 16:23-33,
106-111, 133, 169-174, 174, 187; 18:171, 221-226, 229-
230; 19:97, 101-102, 152; 21:28-31; 22:112-118; 23:37-
42; 24:17-22; 26:57-60, 72, 74, 228, 247-256; 27:120;
29:7-12, 156-162, 180; 30:173-178; 32:33-34; 33(1):S1-
S2; 34:71, 80-81, 81, 82, 82-83, 154, 190-191
food, natural vs semipurified diets..... 25:197
model..... 30:119-121; 35:247
osteofluorosis 23:171-174; 24:17-22; 29:180
30:113-114; 31:S17; 34:84; 35:248-249
studies 2:13-24, 33-36, 106-115, 176-180, 214-221
3:49-53, 160-161; 4:109-113, 154-166, 183-188, 188-
190, 190-193; 5:25-26, 27-28, 50-53, 182-198; 6:94-100,
151-154; 8:38-40, 47-50 (cn 120), 163-172, 191-198;
12:84-91, 114-124; 13:4-9, 148-151; 14:38-41, 132-141,
155-160 (cn 15:104), 182-189; 15:64-69, 132-136, 208-
214, 214-221; 16:23-33, 106-111, 117-128 (cn 191), 145-
151; 17:178-182, 183-192, 210-217, 217-223; 18:111-
117, 216-220, 221-226; 19:78-79, 117-121, 132-137;
20:79-83; 21:5-12, 28-31; 22:24-28, 112-118, 128-130;
23:27-30, 37-42, 154-163, 171-174; 24:17-22; 25:129-
134; 26:45-56, 57-60, 247-256; 27:7-12, 67-75, 185-188,
201-204; 28:3-9, 75-86, 128-130, 135-145; 29:7-12, 13-
19, 59-62, 156-162; 30:41-50, 51-58, 105-109, 157-164,
Rat studies cont'd 173-178; 31:33-42, 32:20-26; 47-54
243-247; 33:6-16, 27-32, 79-84, 159-167, 174-181, 182-
186, 210-217; 34:95-102, 108-113, 132-138, 236-241;
35:12-21, 90-103, 161-167, 168-175, 185-192, 197-203
F⁻ pharmacokinetics..... 19:108-112; 20:79-83; 25:197-198
28:47; 33(1):S9-S10, 219
- Rat
study, multigenerational 34:186
tumors..... 10:42, 40, 43; 31:S8; 35:259-260
- RecA-ADP complexes 23:183
- Receptor
-derived peptide..... 32:102
-mediated platelet activation..... 26:229, 230
- Red
blood cells..... 33:87; 34:174-180
cell membrane alterations, F⁻ toxicity 25:195
deer (*Cervus Elaphus*) .. 22:29-32; 28:158-159; 29:177-178
30:243-244, 246; 32:114-115; 33:92, 93-94
Muntjac (*Muntjacus Muntjak*) cell cultures 19:95
Reflection ultrasound, bone quality..... 26:232; 28:44-45
- Regression analysis..... 33:121-127
- Relative growth rate, maize/barley 25:175-182
- Remineralization..... See *Enamel/Dentin/Root surface*
- Remineralizing solution composition 25:206
- Renal
(NA⁺ + K⁺)-ATPase activity..... 11:106-107; 13:148-151
26:210
brush border membranes 26:210, 210-211
concentrating defects 35:207
damage..... 35:38-50
and dose response, rats 31:S9; 33(1):S9-S10
S29-S30, 210-217, 218-219; 34:212
effects, anesthetics See *Kidney effects, anesthetics*
enzymes 26:143
effects cell line, rats 33:144-145
epithelial disease and skeletal fluorosis 19:166-168
excretion, sodium/fluid 32:121-122
failure 5:164; 6:64-65; 12:5-8; 14:55, 141; 32:36
- Renal cont'd*
fluoride clearance 5:48-50; 8:198-207; 9:33-35
10:145-146; 11:40-41; 12:5-8, 48-49; 14:96; 16:254-255;
17:35-41, 201, 266; 19:34-35, 35-36; 26:142; 30:61-63
5 species 25:197-198
function 14:96; 17:201; 18:68-69; 19:34-35; 27:167
32:41-42; 34:192-193, 213
glucose-6-phosphatase 12:84-91
hypertensive rats, hormones 17:138
hypertrophy 31:33-42
impairment 16:64, 65, 192; 17:35-41; 22:208; 23:44-45
26:222
insufficiency 18:69-70; 31:151
metabolic effects, sheep 20:41-42
microsomal aminopyrine N-demethylase 15:132-136
osteodystrophy 4:114-128; 10:22-27; 30:249; 34:213
parenchyma histology..... 15:157-161
- Reproduction/Reproductive effects See also *F⁻ and reproduction/F⁻ and fertility*
- Reproductive function 26:223-224; 27:67-75
organ weights 33:79-84; 34:242-249
organs, biochemical changes 22:78-85; 25:149-154
28:75-86; 32:204-214
organs, structural changes 26:148; 27:76-80
toxicology..... 30:49
- Residence history and fluoridation 22:147; 150-151
- Residual F⁻ after mouthrinse 17:203
- Resin-extractable fluoride 18:36-40
- Respiration hepatic tissue, biphasic curve..... 15:75-78
- Respiratory .. See also *F⁻ and respiratory effects/Occupational F*

- burst 30:5-15
 cancer *See Cancer*
 cell chain and F⁻ 15:51
 enzyme inhibition 18:234
 flow, ventilation time 18:157-162
 health, aluminum industry 32:260
 NaF absorption, rabbits 17:119-123; 18:157-162
 organ lipids, rabbits 22:33-39
 Retina morphology 14:182-191
 Retinal
 degeneration, review 3:114-120
 detachment surgery 15:3, 221
 Retinitis and fluoride 3:112-113
 Reversibility *See F⁻ toxicity, ameliorating/reversible effects*
 Rheinfelden, Germany 11:198-207
 Rheumatoid arthritis 15:31-35, 54-56; 22:100
 Rhinitis, atrophic 6:138-142
 Rhode River, Maryland, U.S. 35:65
Rhus Laccase, copper-bearing enzyme 22:204-205
 Riboflavin 15:162
 Ribonuclease/Ribosomal RNA decrease 6:162-178; 11:55-59
 Ribosomes and fluoride 13:173
 Rice F⁻ content, natural/parboiled/polished 29:193-201
 Rio Grande, Brazil, F⁻ pollution 19:61-64
 Risk factors/indicators *See Caries/Dental fluorosis*
 River water fluoride content *See Water fluoride*
 RNA 14:96-97; 15:105, 119-123, 222; 20:39; 21:32-38
 26:191-196; 27:76-80, 118, 155-159; 31:143-148
 metabolism 3:153-159; 14:182-191
 poisoning, CTFE 3:181-187
 Roach powder F⁻ poisoning 7:117; 23:179
Robinia pseudoacacia 28:180-188
 Rochester, Minnesota hip fractures 26:287
 Rock phosphate *See Phosphate rock*
 Rodent food, the right control diet 33:101-102; 34:8
 Roe deer (*Capreolus capreolus*) 27:170; 29:177; 30:246
 33:145, 146; 35:65-66
 Roholm Kaj 2:1
 Rooster studies, experimental 2:244; 8:163-172
 Root
 caries, clinical aspects 27:108. *See also Caries in root surfaces*
 hard tissue de- and remineralization 27:165-166
 surface de- and remineralization 26:291
 surface microflora and caries 25:94-95
 Rumen and fluoride 5:200-208; 8:182-191; 10:5-12
 Russia environmental F⁻ .. 2:189-190; 3:42-43; 33(1):S19-S20
 Rutgers Medal, A Schatz 30:140
 Rutin-zirconium(IV) complex 21:69-75
 Rye grass
Lolium multiflorum 30:244
Lolium perenne 18:208-211; 20:126-136; 21:185-192
 22:179-187
 Saeftinge Salt Marsh, The Netherlands 23:141-142
 Sahara dental/skeletal fluorosis 1:86-93
 Salem District, India 19:40
 Salicylic acid 29:13-19
 Saliva 7:64; 11:210; 15:78-81, 87-96; 27:171
 Salivary
 amylase activity,
 human 28:71-74; 34:55-60
 rats 17:217-223
 enzyme activity 32:20-26
 fluoride 15:78-81, 87-96; 18:30-36, 178; 19:47, 191
 20:95; 22:85-89; 25:204-205; 29:116-117; 32:257;
 33(1):S24-S25; 34:219; 35:131
 and caries 19:47, 191; 20:95; 29:50, 116-117
 clearance 18:178; 27:114-115, 169-170
 uptake, toothpicks 28:172
 F⁻ prophylactics 30:194
 glands, functional changes 15:50
 streptococci/lactobacilli 24:125
 Salmon species and fluoride 27:220-226; 29:179
 Salt
 fluoridation *See Fluoridated salt*
 -affected soils *See Argentina*
 San Luis Potosi, Mexico 28:203-208, 218; 30:33-40
 219-222; 32:41; 33:220-221
 Sarcoplasmic reticulum 27:58, 117, 233
 Sarin, nerve agent 30:251
 Saudi Arabia dental fluorosis 34:272
 Scanning electron microscopy *See ElectronMicroscope*
 SCE *See Sister-chromatid exchanges*
 School
 children ... 4:179; 19:147-148; 21:142-148; 22:40-41, 43-44
 92-93, 141-142; 23:55-67, 104-111, 111-118, 119-123,
 144-145, 146-147, 180, 191, 191-192; 24:48-49, 125, 126,
 127; 26:159, 161-162, 231-232; 28:51, 53, 169, 223;
 32:258; 33(1):S1, S6, 88. *See also Children/Fluoride and*
children's health/Fluoride in school children
 Dental Service 26:125-134; 27:13-22; 28:105-106
 fluoridation accident, New Mexico 13:170-171
 Scientific Knowledge in Controversy, book review 25:51-52
 26:135-139
 Scotch pine (*Pinus sylvestris*) 15:149-156
 Scotland dental caries and fluorosis 35:133-134, 135-137
 Sea salt and skeletal fluorosis 5:56-57
 Sea salt iodine content 2:200-205
 Sealants revisited, review 27:56.
 Season and forage contamination .. 1:41-49; 3:53-60; 5:74-81
 Seasonal variation, plant F⁻ ... 18:22-30, 163-168; 23:141-142
 25:123-128
 Seasonal wetlands 29:176
 Secondary hyperparathyroidism 27:59-66
 Secretion into GI tract 27:234
 Secretagogue 17:178-182
 Seed studies ... 6:154-162; 162-178; 13:122-129; 20:113-117
 29:3-6, 72-76; 31:81-88; 32:171-178
 SEER program (NIH) cancer time trends 26:66; 29:237-240
 (cn 30:74)
 Selachian Enameloid 16:135
 Selenite toxicity 26:78

- Selenium... 29:59-62; 33:6-16, (1)S15; 34:82-83, 84, 208-209
35:133, 168-175
and fluoride toxicity 29:77-78
- Semiconductor manufacturing, workers 29:103; 33:92-93
- Semi-micro automatic distillation 35:260-261
- Seminal vesicle 31:203-216
- Senegal dental/skeletal fluorosis 22:99; 30:124
- Senescence-accelerated mice 26:226-227
- Serendipity and F⁻ research 8:58-60
- Seromucoid 13:151-159 (cn 14:68); 14:150-154
- Serotonin 9:173-184; 14:155-160 (cn 15:104); 26:57-60
- Serpentine
index, defluoridation 20:64-67
treatment, fluorosis... 8:12-24, 144-154; 9:98-104; 13:96-99
- Serum
25-Hydroxy Vitamin D₃ 30:147-152
albumin 2:91-96; 135 (cn 2:235); 11:25-28
alkaline phosphatase
animals 2:49-54; 5:29-31; 23:68-79
25:123-128; 33:S4-S5
osteoporosis 21:48-49
rats 22:128-130; 23:37-42; 33(1):S29
amylase 33(1):S7
bilirubin 31:S25; 33:S15, S26-S27
biochemical parameters 5:227-229; 8:118-119; 31:S22
animals 2:49-54, 106-115; 8:134-143; 12:144-154
16:214-219; 18:227; 21:60-68; 22:112-118, 145-146;
23:37-42; 24:129-130; 26:241-246; 29:217-226; 30:157-
164, 165-172; 31:225; 33(1):S15, S26-S27, S29;
34:126-131
skeletal fluorosis 1:76-85, 86-93
113-116; 2:120-124, 142-152; 4:64-79; 6:143-151;
7:208-219; 8:12-24, 112-113, 245; 9:185-200; 11:120-
124; 12:211; 14:61-68, 150-154; 25:65-70; 30:147-152;
31:S28; 33:66-73 (cn 148), 187-195
calcium 4:114-128; 5:226-227; 11:166-170; 18:41-46
20:41-42; 24:122; 26:72; 29:20-24, 63-71; 30:85-88 (cn
194)
chemical profile, skeletal fluorosis 14:150-154
cholesterol 8:114-115; 14:193; 29:44-45; 33:27-32
35:168-175
creatinine 5:46-48; 8:198-207; 9:33-35; 12:5-8
14:4-9 (cn 18:226); 16:64; 19:166-168; 24:66-70
phosphokinase, diagnostic indicator..7:177-181; 26:61-65
enzymes 4:64-79; 24:66-70
animals 5:136-144; 8:134-143; 9:42-46; 16:151
19:78-79; 26:45-56; 35:168-175
Serum fluoride 10:38-39; 12:5-8, 13:42-43, 65-70; 16:64
17:53-54; 19:100-101; 23:148-149; 26:72; 28:228; 31:S34
analysis validation 29:106
and
age 10:146-147; 26:225-226; 31:S33; 32:41-42
34:211-212
aluminum 30:85-88 (cn 194); 35:209-210
anesthesia 4:38-39; 11:40-41; 12:49-51, 165-166
13:89; 18:68-69; 27:117-118; 28:226-227; 29:45-46;
30:70, 129. *See also Plasma F⁻*
bone mineral density 27:167-168; 30:64
bound F⁻ 35:258
calcium ratio, diagnostic indicator 24:122
fluoridation 8:114-115; 10:22-27
fluorosis 1:86-93; 7:62-63; 9:33-35; 11:101-103
12:72-75; 15:43-47; 18:198-203; 19:184-187; 22:100;
23:147, 164-170; 24:122; 25:101-110; 27:215-219;
29:63-71; 33:85
gastrointestinal effects 25:5-22
hemodialysis 4:114-128; 8:118-119; 10:22-27; 14:96
28:42; 30:63, 64, 249; 34:213; 35:258
osteoporosis 22:147-148; 28:46-47
topical F⁻ 21:167-170; 35:249-250. *See also Plasma F⁻*
urinary F⁻ 8:134-143; 12:72-75, 177-182; 14:75-86
15:87-96; 19:26-32, 34-35; 23:48; 24:62-65; 25:5-22;
26:78, 225-226; 27:52-53; 28:40; 30:61-63; 32:41-42;
35:249-250
electrophoretic mobility 2:135 (cn 235)
Serum fluoride
in animals 2:49-54; 3:188-191; 8:134-143; 11:106-107
12:144-154; 13:57-64; 15:173-177; 16:214-219; 17:183-
192; 18:41-46, 187-197; 19:101-102; 20:41-42; 21:60-68,
167-170, 193-200; 25:23-36, 97; 26:61-65, 226-227;
28:75-86; 30:157-164; 33:S13, 147-148, 182-186
ionic F⁻/total F⁻ 15:87-96; 17:27-35; 19:184-187
22:20-24; 23:164-170, 26:216
maternal 8:54; 13:143; 29:185
neonatal/cord blood 29:185
Serum fluoride cont'd
non-ionic 17:27-35; 22:20-24; 23:164-170
occupational 26:78, 224-225; 27:52-53; 28:40; 30:61-63
reactivation, sarin 30:251
Serum
glucose 18:41-46
haptoglobin, skeletal fluorosis 28:110
IGF-1, rabbits 30:245
IgG antibody activity, rats 25:97
ions 8:114-115; 11:106-107; 13:4-9; 19:184-187
26:45-56; 29:63-71
lipids 8:114-115; 14:193; 27:201-204; 33:27-32
35:168-175
lipoproteins, rats 29:44-45
minerals 3:188-191; 19:184-187; 22:147-148; 25:203
30:165-172
and bone structure 26:37-44
osteocalcin 23:188
protein
electrophoresis 11:25-28; 13:20-24
level 19:26-32; 26:45-56; 29:20-24, 63-71; 35:210
proteins 16:214-219
SGOT/SGPT 5:136-144; 25:101-110; 26:45-56
32:215-229; 34:21-33
sialic acid 15:199-202; 22:142-143; 25:101-110
testosterone 22:78-85; 25:101-110; 27:7-12; 28:128-130
29:254; 30:68; 32:162-170
trace elements 15:25-31
transaminase, rats 35:210

- triglycerides 8:114-115
 urea 33:182-186
 Sevoflurane *See Anesthetics*
 Sex accessory glands 28:75-86
 Sex-linked recessive lethal test 23:83-91
 Shangdong Province, China 17:206
 Sheep
 F⁻ kinetics 21:193-200
- Sheep cont'd*
 fluorosis 5:58-65; 16:214-219; 21:60-68, 193-200
 22:148; 23:142; 25:183-190, 205; 26:213; 28:149;
 30:242; 31:51-52, 52
 molar mineralization 26:213
 studies 1:49; 4:129-136, 137-142; 5:132-135, 136-144
 8:134-143; 21:60-68, 193-200; 22:188-194; 25:183-190
 Sialic acid 22:78-85
 Sialic acid-GAG ratio, diagnostic indicator 15:199-202
 22:142-143, 144
 Sicily dental fluorosis 1:113-116
 Sicily skeletal fluorosis 1:113-116; 2:195-200
 Sickle cell disease, fluorosis 34:72
 Signal transduction 32:100-101, 106-107; 33:228-229; 35:244
 Silica in F⁻ analysis 9:54-63
 Silicofluoride poisoning 1:103-109; 3:80-84; 10:38-39
 Silicofluorides 34:161-164; 35:259-260
 and lead uptake 31:S25; 33:88-89; 34:150-151
 Silicon 18:124-125; 28:109
 tetrafluoride (SiF₄) 29:89-94
 Silver
 fluoride 30:247, 248, 250-251; 32:115-116; 33:222
 fox F⁻ poisoning 21:102-103
 Silverbow, Montana 7:181-199
 Sima, Shanxi Province, China 29:190-192
 Simulation studies 32:106
 Singapore enamel defects 25:94
 Sirohi District, Rajasthan, India 31:227
- Sister chromatid exchanges *See F⁻ and Sister chromatid exchanges*
 Skeletal changes, fluorosis 7:111-112; 8:61-83; 9:71-72
 11:29-32; 15:43-47; 19:80-86; 22:157-164; 27:162
 29:25-28
 Skeletal fluorosis 1:54-55, 94-102; 2:195-200; 5:56-57
 9:168-169; 10:45-47; 11:37; 12:103-104, 211; 17:243-246;
 18:69-70; 19:18-22; 21:212-213; 23:185-186; 24:121, 131;
 26:282; 29:38-39, 110; 30:270-271; 31:153-155, 156-157;
 32:36, 191-192, 193-198; 34:72, 181-183; 35:246-247
- Skeletal fluorosis cont'd*
 and
 audiometric studies 10:86-88
 bones *See Bone section*
 cervical lesions 3:91-96
 coal burning ... 16:66; 29:33-35, 79-81; 30:29-32, 229-232
 31:S18; 32:55-59; 33:135-139; 34:216
 diet 6:4-17; 7:200-208; 14:49-50, 51-55; 17:14-22
 18:149-156, 198-203; 25:65-70, 191-192, 193-194;
 29:20-24
 finger ball dermatoglyphics 16:198-208; 17:168-172
 genu valgum 9:185-200; 15:25-31; 17:9-14, 14-22
 20:147-148; 30:147-152; 33:187-195
 goiter *See Goiter*
 joints 9:19-24; 23:47; 29:79-81
 nerve lesions 19:181-183
 neurological effects 1:65-75, 76-85, 117-118; 3:91-96
 208; 4:64-79; 6:4-17; 7:168-169; 8:144-154; 9:30-32;
 11:33-36 (cn 155); 12:188-194; 27:189-193
 spinal canal body ratio 16:11-19
 spinal cord 9:30-32; 12:188-194; 16:209-213; 24:117
 29:29-32, 181
 X-rays 1:56-64, 65-75, 76-85, 86-93, 113-116
 2:120-124, 142-152; 3:91-96; 4:64-79; 5:86-88, 115-
 125; 6:143-151; 7:200-208, 208-219; 8:61-83; 9:91-98,
 138-146, 185-200; 10:125-136; 11:29-32, 46-50, 51-55;
 14:51-55; 16:11-19, 83-90; 17:4-8, 9-14, 14-22; 19:80-
 86; 22:195-203; 29:79-81; 30:85-88 (cn 194), 223-228;
 33:187-195; 34:61-70
- Skeletal fluorosis
 diagnostic indicator 15:199-202; 22:142-143, 144
 distribution 6:106-112; 18:149-156; 26:177-180
 28:203-208; 32:55-59; 34:61-70
 drug-induced 15:54-56
 eradication 17:48-52
 foodborne 14:49-50, 51-55, 91-93; 16:66, 209-213
 17:9-14
- Skeletal fluorosis cont'd*
 in
 animals... 1:41-49; 3:167-174, 175-181; 5:182-198; 7:111-
 112; 8:182-191; 12:100-102; 19:196; 20:28-29; 22:20-
 24; 23:37-42, 143-144; 32:39-40, 114-115; 35:56-57
 children ... 5:115-125, 125-130; 6:143-151; 9:19-24, 91-98
 13:25-30; 17:9-14, 55-56; 18:120-121; 20:147-148;
 25:65-70, 191-192, 193-194; 29:151-155; 30:68-69;
 33:66-73 (cn 148); 34:103-107
 industrial *See Occupational Fluorosis*
 review 21:39-44; 22:206
 symptomatology 2:142-152; 6:143-151; 8:12-24, 61-83
 9:19-24, 71-72; 10:125-136; 12:188-194, 214-215; 14:51-
 55, 61-68, 91-93; 18:46-53, 125-127, 149-156; 21:39-44;
 31:13-20
 treatment 2:142-152; 8:12-24, 61-83, 144-154; 9:98-104
 12:214-215; 18:135-140; 20:24-27, 189-190; 23:147;
 30:68-69
- Skeletal
 muscle histochemistry 29:59-62
 muscle proteins/amino acids 25:155-158
 response differences to F⁻ 22:10-19
 scintigraphy, fluorosis 26:282
 structure, fluoridation 5:229-231
 Skin capillary effects, rodents 2:214-221
 Skin necrosis, HF-acid induced 29:103-104
 Skin α1(I) collagen gene, rats 34:208

- Slow-release fluoride 26:292; 28:46-47. *See also Sodium F⁻ slow-release*
- Smooth muscle cells 26:153; 27:58
- Snail (*Helix aspersa maxima*) F⁻ tolerance 33(3):S3-S4
- Snow fluoride
Palmer station, Antarctica 32:115
pollution indicator, Al smelter 21:107-108
- Sodium
and potassium 13:4-9
chloride 5:46-48; 19:55-57
dichromate 33:87
- Sodium fluoride 1:49, 56-64; 2:106-115, 125-127, 134
157-167, 168-175, 176-180, 181-182, 190, 214-221, 222-
228, 229-235, 241-242, 244; 3:49-53, 107-108, 114-120,
153-159, 162, 175-181, 188-191, 209, 210, 211; 4:147-
148, 154-166, 167-171, 180-183, 183-188, 190-193, 199-
204; 5:29-31, 33-35, 35-37, 38-40, 41-42, 43-45, 46-48, 48-
50, 50-53, 54-55, 182-198, 200-208, 226-227, 227-229;
6:66, 67, 113-117, 118-119, 154-162, 162-178, 181-183;
6:185-186, 251-252, 253; 7:36-45, 57-58, 61-62, 64, 65-68,
105-108, 112-114, 146-152 (cn 227), 177-181; 8:38-40, 52-
53, 55-56, 115, 163-172, 191-198, 208-223, 245-247; 9:9-
17, 42-46, 47-53, 120, 173-184, 216-217, 217; 10:5-12, 41-
42; 42, 40, 43, 43-44, 82-86, 89-91, 92-93, 94; 11:4-13 (cn
155), 18-24, 25-28, 60-67, 101-103, 106-107, 125-129,
157-159, 159-161, 161-162, 179-186, 209-210, 210; 12:65-
71, 84-91, 105-106, 107-108, 124-128, 136-143, 144-154,
167-168, 172-176; 13:4-9, 20-24, 30-38, 42-43, 70-75, 75-
80 (cn 14:68), 80, 86-87, 87-88, 88-89, 117-121, 129-138;
143, 148-151, 151-159 (cn 14:68), 159, 160-162, 163-167,
172-173; 14:21-29, 38-41, 41, 42-43, 90, 96-97, 101, 107-
112, 115-118, 119-123, 129-131, 132-141, 143, 145, 155-
160 (cn 15:104), 182-191, 193; 15:50, 53, 64-69, 75-78,
97-104, 105, 107, 110-118, 132-136, 162, 173-177, 177-
190, 191-198, 198, 202-208, 208-214, 214-221, 221;
16:23-33, 33-37, 37-43, 48-51, 54-60, 60-63, 68, 68-69,
106-111, 129, 130, 130-131, 131, 131, 132, 133, 133-134,
152-161, 169-174, 174, 190-191, 243-246, 252, 253, 254-
255, 255-256; 17:53-54, 72-80, 81-93, 105-107, 107-114,
119-123, 131-138, 139, 141, 143-144, 144, 178-182, 183-
192, 201, 210-217, 217-223, 261-262, 266; 18:41-46, 62-
63, 64, 67-68, 70, 111-117, 128, 135-140, 146-149, 157-
162, 169-170, 170-171, 171, 172, 175, 178, 187-197, 203-
207, 216-220, 221-226, 229-230, 237, 238; 19:33-34, 34-
35, 38-39, 41-42, 42, 43, 45, 58-60, 78-79, 95, 96, 97, 101-
102, 108-112, 132-137, 152, 154, 157-165, 194-195, 196;
20:38, 41-42, 48, 71-74, 84-91, 96, 104-108, 109-112, 113-
117, 171-176, 183-188; 21:13-21, 32-38, 45, 76-81, 82-86,
127-130, 149-158, 160, 193-200; 22:33-39, 46-47, 47,
Sodium fluoride cont'd 22: 72-77, 78-85, 128-130, 145
145-146, 147-148, 151-152, 152-153, 165-168, 204, 207-
208, 23:27-30, 37-42, 49, 51-54, 68-79, 83-91, 139, 139-
140, 175-178, 188; 24:17-22, 23-28, 29-39, 44, 45-46, 47,
47-48, 49, 50, 76-83, 85-89, 121, 123, 129; 25:71-76, 77-
84, 97, 129-134, 149-154, 155-158, 196, 198, 200, 201,
202-203, 203, 204; 26:45-56, 57-60, 69-70, 77, 146, 148,
150, 158-159, 167-176, 191-196, 226-227, 229, 230, 230-
231, 283, 290; 27:3-6, 7-12, 23-31, 53, 67-75, 76-80, 110-
111, 111, 116, 119, 120, 120-121, 129-135, 185-188, 205-
214, 231-232, 234-235; 28:21-24, 47, 71-74, 75-86, 108-
109, 109, 128-130, 135-145, 150, 152-153, 157-158, 160,
167, 172, 229; 29:3-6, 13-19, 43, 72-76, 102, 108, 108-
109, 135-138, 152, 156-162, 182, 184 193-201, 217-226;
30:51-58, 66, 115, 153-156, 157-164, 187, 190, 245-246;
31:33-42, 53, 81-88, 91-95, 96-99, 100, 143-148, 32:20-26,
98, 106, 120-121, 153-161, 162-170, 171-178, 204-214,
215-229, 243-247; 33:6-16, (1)S1-S2, S6-S7, S9-S10, S22-
S23, S27, S29-S30, S32, 79-84, 87, 97-98, 108-114, 128-
134, 144-145, (3)S6, 159-167, 182-186, 210-217, 225,
225-226, 226-227, 227, 227-228; 34:9-20, 34-42, 43-50,
108-113, 126-131, 204, 208, 218, 242-249, 258-263, 276-
277, 277-278, 278, 279-280; 35:12-21, 28-37, 60, 81-89,
141, 197-203, 208-209, 210, 231-238, 251
and calcium F⁻ absorption 23:48; 25:198
bone application 3:106-107
poisoning 2:140-141; 5:101; 6:68-69; 7:173; 14:146
16:72-82, 256-258; 20:40-41; 23:179, 179-180
slow-release 26:232; 27:172-173, 227-228; 29:36-37, 38
- Sodium
fluorosilicate poisoning 8:134-143; 11-13
hydrogen carbonate, F⁻ elimination 25:129-134
hypochlorite and dentin 29:121-122
ion-protein exchange 26:230
monofluoroacetate 9:204-212; (cn 10:44)
monofluorophosphate (MFP), PO₃F²⁻ 10:43-44
13:159; 17:210-217; 18:169-170; 24:103-108; 26:290;
28:47, 152-153, 171; 30:115; 31:100; 34:218
- Sodium monofluorophosphate cont'd*
absorption 15:223; 23:148, 148-149, 187-188; 26:286
28:46-47
- Sodium
pyruvate 6:185-186
selenite *See selenium*
silicofluoride 7:146-152 (cn 227); 33:88-89; 34:150-151
-proton exchanger 34:174-180
- Soft drinks and dental erosion 35:130
- Soft tissue
calcification 14:99-101; 17:246-251; 19:188-189
enzymes 9:42-46; 14:132-141; 21:131-136
fluoride
accumulation 14:102-107; 22:145-146
content 2:13-24; 5:168; 9:5-8, 24-28; 14:42, 99-101
15:56-63 (cn 223), 173-177; 17:246-251; 19:22-25,
100-101, 121-123; 23:68-79; 26:212
in vertebrates, review 18:53-61
ionic F⁻/total F⁻ 22:174-178
uptake, aquatic species 19:121-123
function 29:63-71
radiofluoride (¹⁸F) distribution 14:42, 93
reversible toxicity 27:205-214
trace elements 3:49-53
ultrastructural data, rabbits 21:32-38; 24:123
weight and F⁻ 11:60-67
- Soft water, F⁻ toxicity, trout 24:76-83

- Soil fluoride
 and alkalinity/salinity 17:266-267
 availability 22:188-194; 30:244
 content 1:21-26, 27-33; 2:206-213, 222-228; 3:27-30,
 4:64-79, 80-84; 6:4-17; 7:181-199; 8:224-240; 9:153-162;
 11:1-3, 38-39; 12:28-32; 13:25-30, 49-57; 14:51-55, 169-
 171, 194; 15:56-63 (cn 223); 16:66-67, 247-251; 18:36-
 40, 46-53, 80-86, 239-240; 19:49-50, 94; 20:14-17;
 22:119-127, 188-194; 23:143-144; 29:207-211; 30:19-25
 (cn 140), 26-28, 244; 31:S19; 32:67-70; 33(1):S35-S36,
 223; 34:280
- Soil fluoride
 diffusion 31:(1)S31
 distribution 11:38-39; 18:36-40; 19:94; 22:119-127
 32:71-73; 35:122-129
 extraction and predatory animals 21:211
 leaching and
 adsorption 35:122-129
 retention 4:80-84; 16:247-251
 -metals interaction 28:180-188
 mobility 34:195, 280
 solubility 1:21-26; 12:28-32; 16:247-251; 17:266-267
 18:36-40; 20:14-17
- Soil fluoride variations 11:1-3, 18-24
- Soil
 microbial activities 30:241
 minerals 32:71-73
 parameters forest soils 35:110-121
 profiles, spatial distribution 22:119-127; 25:135-142
 29:166-174
- Soluble protein 27:155-159
- Soluble sugars 29:3-6
- Solvation energy 29:106
- Sonic velocity, compact bone 26:154
- Sorex araneus* (common shrew) 15:56-63 (cn 223)
- Sorghum Caryopsis*, sucrose, starch, and F⁻ 28:174
- South Africa
 dental caries or fluorosis 22:96; 34:269-270; 35:138-139
- water fluoride 34:269-270; 35:253-254
- South Gujarat, India 33:154-158
- Southwestern China, fluorosis 33:135-139
- Soybean
 chloroplasts 18:72-79
 MDH-isoenzyme activity, organic acids 10:63-72
 organic acids 6:203-215
 ultrastructural changes 5:67-72, 72-73
- Spain environmental fluoride 35:110-121
- Spatial variation, soil in India 25:135-142; 29:166-174
- Spectral analysis 27:97-107; 29:82-88; 31:74-80; 34:114-125
- Spectrophotometric analysis 21:69-75; 22:131-132; 32:117
- Sperm
 count 25:71-76
 motility 25:71-76; 27:67-75; 28:75-86, 150
 31:203-216; 35:153-160
 motility/morphology, humans 27:231-232
- Spermatogenesis 13:160-162; 14:182-191; 16:37-43
 19:154; 26:148; 29:182; 31:49
- Spermatozoa alterations 24:29-39; 28:75-86, 150, 151
 31:S26; 34:196
- Spermiogenesis 28:49
- Spin trapping 26:167-176; 30:5-15
- Spinal bifida occulta 33:85
- Spinal cord, fluorosis 20:28-29; 24:117; 29:29-32, 181
- Spirulina 34:132-138
- Spleen
 histology 33(1):S1-S2
 morphology 35:81-89, 231-238
- Splenic macrophages 34:204
- Spondylosis 22:157-164; 32:27-32
- Spontaneous abortion 29:103
- Spontaneous motor activity 32:120-121; 34:154
- Sri Lanka (Ceylon) dental caries/fluorosis 13:138; 28:50
- Stannous fluoride 2:132-133; 6:113-117; 11:39-40; 17:205
 21:160; 32:125
 antibacterial efficacy 7:57-58; 10:89-91; 15:53; 28:54
 diffusion, amalgam 10:174-186
- Static paper sampling, F⁻ pollution 16:259; 18:22-30
- Statistical analysis, F⁻ bioaccumulation 34:197-198
- Steel mills F⁻ emission 5:172-181; 7:153-165; 23:101-103
- Stereocilia 28:151
- Stereophotogrammetric analysis, rats 23:149
- Stoke-on-Trent, England 14:47
- Stomach 31:50
 emptying 7:225-226; 10:92-93; 26:148
 fluoride poisoning 3:80-84
 mucosa, rats 24:123; 30:187
- Stomatitis 26:267-273
- Stomatous cuticle permeability 20:94
- Streptococcal cells, F⁻ uptake 22:41
- Streptococcus*
mutans 18:175; 25:198-199; 26:162-163
 27:112, 234-235; 28:53, 115; 29:48, 118-119
 and sucrose intake 24:125
 fluoride
 resistance 16:133-134; 22:94; 27:54; 29:127
 sensitive 16:133-134; 27:54
 glucose uptake 20:46-47
 growth 15:53; 16:133-134; 18:123; 19:93, 193; 26:76
pyrogenes, adhesion 35:60
salivarius 18:123
- Streptozotocin-diabetic rats 15:214-221; 29:182; 31:33-42
 33:97-98; 34:278
- Stress fractures, osteoporosis 19:194-195; 25:93
- Strix aluco*, egg F⁻ 11:198-207
- Stromal osteoblast-like cells See *Osteoblast-like cell culture*
- Strong hydrogen bonds 32:99-100
- Strontium and fluoride 17:263-264; 18:65-66; 21:106
 22:151-152, 152-153; 26:76, 204
- Strontium chloride 28:152
- Subgingival irrigation, F⁻ toxicity 32:125
- Submandibular salivary gland, rats 15:50, 214-221; 32:20-26
- Succinic dehydrogenase 2:168-175; 9:9-17; 14:132-141
 15:51; 17:81-93; 22:78-85; 26:45-56; 27:67-75, 205-214;
 29:59-62; 32:162-170, 204-214; 33:6-16, 115-120

- Sucrose, phosphates, and F⁻ 11:41-42; 28:174
 Sudden Infant Death Syndrome 30:130, 131-133, 199-202
 Sugar fluoridation..... *See Fluoridated sugar*
 Sugar intake..... 29:52
 Sulfation..... 31:193-202
 Sulfites 30:142-146, 274
 Sulfur
 content of coal 29:77-78
 dioxide and F⁻ synergy 16:220-228; 26:228; 28:223
 29:7-12. *See also Environmental F⁻*
 hexafluoride gas 15:3, 63, 221; 33:94
Sulfur cont'd
 oxides 3:137-142; 5:172-181; 6:33-40; 7:123-135
 (cn 8:57) 153-165, 174-176, 223; 10:152-156
 Sulfuryl fluoride (fumigant insecticide). 3:85-91; 23:189; 31:53
 Superoxide
 dismutase 30:5-15; 31:81-88, S29; 32:243-247
 33(1):S30-S31, S32; 34:103-107, 108-113, 208-209
 production..... 15:4-13
 Superphosphate
 fertilizer/industry..... *See Phosphate*
 mineral content..... 4:143-146
 Suppression by medical journals..... 30:125
 Supragingival plaque control 32:120
 Sural nerve biopsy 14:94; 27:189-193
 Susheela AK, research advances 17:1-3
 Sustained-release F⁻ matrix tablets 23:123-128
 Sutton, PRN obituary 28:123
 Sweden
 dental caries or fluorosis 17:58-59, 60-61; 28:55
 environmental fluoride..... 15:124-131
 integrated caries prevention..... 27:56-57
 Swiss albino mice 28:21-24
 Switzerland
 dental caries 24:126
 environmental fluoride..... 2:222-228; 11:198-207
 skeletal fluorosis..... 8:177
 Symposium
 (AAAS), Fluoridation/F⁻ use 10:141-144; 13:90-95
 (CEMO), F⁻ and bone 11:151-155
 (IAOMT), PHG, ingested F⁻ 31:170
 Announcements..... 27:124, 128
 Introduction, 50 years of F⁻ 28:214
 Proceedings..... 9:214; 11:109-110
 Reports 9:5-8; 13:39-41; 17:197-198, 259-260
 20:49-50; 22:1-4, 90-91; 23:137-138; 25:169-170; 28:25-
 27; 30:59-60; 31:217-218; 32:248-250
 Synergistic effect..... *See F⁻ synergism*
 Synostosis..... 4:154-166, 180-183, 183-188
 Synovial fibroblasts, rabbits 22:49
 Synthane *See Anesthetics*
 metabolism 13:144
 Syrian hamster embryo cells 17:261-262
 Systemic fluoride
 and fluorosis 23:180; 26:288; 32:257-258
 and teeth, rats..... 23:149
 vs topical F⁻ 26:288; 32:111-112, 126; 35:249
 Szczecin, Poland 11:107-108; 13:39-41; 14:101
 17:197-198, 259-260; 20:49-50; 22:90-91; 25:169-170;
 28:25-27; 30:59-60; 31:217-218; 32:248-250
 T-(kidney) cells..... 3:162
 Tablets..... *See F⁻ prophylactics, supplements*
 Tail regeneration under F⁻ stress 23:92-97
 Taiwan, China 27:50; 33:86
 Takamori, Tokio 2:74-75; 4:152-153; 5:1-2
 Takarazuda and Nishinomiya, Japan 34:219-220
 Tamarind..... 20:109-112; 33:33-38; 35:60
 Tamil Nadu, India..... 18:140-145; 19:40; 29:151-155
 33:121-127; 35:254
 Tanzania, Africa 26:161-162; 30:192-193, 247
 32:118-119; 33:91
 Target organs in fluorosis 9:1-4
 Tarnobrzeg sulfur basin, Poland 11:170-178
 Tawny Owl (*Stix Aluco*)..... 11:198-207
 Tea
 and F⁻ uptake, rats 10:147
 CO₂ laser-induced shock wave plasma..... 26:204-205
 drinking in
 Australia 19:94-95
 Indonesia 19:92
 Jordan and dental fluorosis..... 21:121-126
 United Kingdom 3:12-18; 12:163-164
 fluoride content *See F⁻ in tea*
 fluorosis in China 27:125-128, 160; 28:201-202
 29:139-143; 31:S6; 32:109-110; 33(1):S17-S18, 205-209;
 34:73; 35:255
Tea cont'd
 infusions,
 Belgium 10:148
 Brazil 29:144-146
 Chinese/Black teas 20:18-23; 32:109-110
 India 24:114-116; 28:111
 interfering cations, F⁻ analysis..... 23:20-26
 Teflon 7:226-227
 Telangiectasia 2:191; 8:174-175; 10:149-151; 18:122-123
 Temperature
 and fluid consumption..... 34:189
 in mutagen treatment..... 28:193-200
 Temporal bone in fluorosis..... 10:86-88
 Tephra fallout, Ruapehu volcano 31:223
 Teratogenic effect, chick embryos 27:23-31
 Testes
 histology, mice 13:160-162
 lipid profile, rabbits..... 25:149-154
 structural changes 16:33-37
 Testicular
 parameters, rats 27:67-75; 30:41-50; 31:49
 steroidogenesis 27:7-12; 32:162-170; 206-207
 Testis cholesterol 28:128-130; 32:204-214
 Testis ultrastructure..... 28:151
 Testosterone..... *See serum testosterone*
 Tetrazolium dye reduction..... 19:157-165
 Texas water fluoride..... 4:131

- Thailand water fluoride levels 34:77-78
- The Greatest Fraud: Fluoridation, book review 29:99-100
- The Netherlands
 environmental F⁻ 23:141-142; 30:242
 fluoridation 6:49-55, 57-63. *See also Holland*
 Saeftinge Salt Marsh 23:141-142
- Thermodynamic analysis, building corrosion 29:89-94
- Thorium nitrate titration 32:84-90
- Threshold limit value (TLV) 20:189
- Threshold limits for F⁻ *See F- standards*
- Thrombin 26:230
- [2-¹⁴C]Thymidine 29:72-76
- Thymidine kinase locus 22:47
- Thyroid
 and water constituents 2:200-205
 DNA/RNA, rabbits 26:191-196
 dysfunction 14:143
 fluoride content 9:105-116
 function, fluorosis 2:195-200; 4:64-79; 7:208-219
 12:100-102; 29:63-71
 histochemical findings 23:68-79
 hormone synthesis, rats 8:191-198
 lipids, rabbits 21:127-130
 parafollicular cells 18:111-117
 physiology/morphology, review 9:105-116
 Power, book review 34:267-268
- Thyroxine (T4) 23:37-42; 34:126-131
- Tianjin, China, serum F⁻ 23:164-170
- Tibet fluorosis 29:139-143; 34:73; 35:255
- Tibet water fluoride content 33:205-209
- Tibouchina pulchra*, F⁻ bioindicator 29:179
- Tidal volume, F⁻ in lungs 18:157-162
- Tiel/Culemborg, Holland *See Holland Culemborg/Tiel*
- Tilapiani, Mandla District, India 33:187-195
- Tilapia fish (*Oreochromis leucostictus*) 25:37-43
- TISAB (total ionic strength buffer) 8:134-143; 10:12-13
 14:75-86; 15:87-96; 19:55-57; 20:30-35; 21:171-176
 complexing agent influence, F⁻ analysis 23:20-26
- Tissue
 cAMP, rats 16:253; 17:217-223
 copper and iron 14:107-112
 cultures in toxicology 2:157-167
 enzymes in muscle/liver, fish 16:48-51; 21:131-136
 fluoride retention 10:92-93
 ionic variations, fish 16:60-63
 metabolism (fluorocarbons) 6:101-105
 protein content 11:125-129; 16:60-63; 20:84-91, 183-188
 trace elements 23:37-42
 vitamin C 11:60-67; 12:65-71; 15:97-104
- Titanium implants, F⁻ pre-treatment 29:110
- Titration method vs F⁻ electrode 16:51-54
- Toad (*Bufo vulgaris/Bufo melanostictus*) 4:167-171; 31:224
- Tobacco fluoride content *See F- in tobacco*
- Tobacco sugar content 13:140-141
- Toenail F⁻, bone fracture risk indicator 31:221
- Tooth
 alterations, bovine fluorosis 4:147-148; 23:141
 brushing 32:123, 131-132; 33:88
 frequency/rinsing 32:119-120
 technique 27:113
 decay *See Caries*
 erosion and beverage pH 14:129-131
 eruption
 delay 17:199-200
 relationship with
 gender 28:165
 nutrition 27:236-237
 water F⁻ 13:71-79 (cn 203); 14:44-45; 27:236-237
 28:165
 time, probit analysis 23:44
 formation/mineralization *See Enamel*
 germ development 19:98, 105-107; 24:118
 matrix *See also Enamel matrix*
 glycosaminoglycans, rabbits 24:47
 mottling, micro-computer imaging 31:S33
 size and fluoride 22:96; 23:149
 wear and fluoride 19:97; 21:210; 25:205; 27:136-140
 28:162; 30:268-269; 31:57, 57-58; 35:51-55 (cn 142).
See also Enamel solubility/attrition
- Toothpaste *See F- prophylactics, dentifrice*
 fluoride content 24:114-116
 ingredients 30:195-196
 technique 29:50
 warning labels 30:195-196
- Topaz F⁻ content 14:69-74
- Topical fluoride *See F- prophylactics, topical*
- Topological analysis 32:101-102
- Total hip arthroplasty *See Hip arthroplasty*
- Total lipids 21:127-130
- Toxemia in pregnancy, plasma F⁻ 7:143-146
- Toxicity
 anesthetic metabolites, book review 15:163. *See also Anesthetic metabolites, toxicity*
 benzene and fluoride 30:105-109
 fluorinated aromatic compounds 19:117-121
 fluoroalkene derivative 5:4-14
 inorganic fluorides, book review 3:100-101
 organofluorides 3:102-103; 21:107
 sulfuryl fluoride 31:53
- Toxicological effects, Al/F complexes 32:230-242
- Toxicology and ecology, F⁻ use 28:116
- Trabecular
 bone density *See Bone density trabecular*
 generation/channels/structure 26:149
 structure, distal radial metaphysis 26:37-44
- Trace elements
 and
 fluoride 13:49-57; 20:162-171; 33(3):S7
 genu valgum 15:25-31, 81-87
 distribution in hair 25:55-64
- Trace metals and mineralization 18:124-125
- Transaminases in fish 14:115-118; 16:48-51
- Transcuticular F⁻ movement 9:148-152
- Transition state analog 35:140

- Translocation of F⁻, plants.....2:229-235; 7:31-35
9:204-212 (cn 10:44); 11:76-88, 89-99, 129-134
- Transmembrane F⁻ migration..... 23:189-190
- Transmural potential difference, rat stomach 29:13-19
- Treatise on Fluorosis, A, book review ..34:181-183 (cn 35:66)
- Triamcinolone acetonide..... 8:174-175
- Tribal villages, India 32:39-40
- Tributyrylase sensitivity to F⁻ 2:134
- Tricarboxylic acid cycle..... 6:194-202, 224-245; 12:114-124
17:94-104; 20:137-141
- Trifluoroacetate (TFA)..... 29:176
- Trifluoroacetic acid.....5:4-14, 106-110; 6:41-48
- Trifluorothymidine 22:47, 207-208
- Trifluorovinyl33(1):S4
- Triglyceride metabolism..... 18:146-149
- Triglycerides 21:127-130; 22:33-39; 25:77-84, 149-154
27:205-214; 29:44-45; 33:27-32
- Triiodothyronine (T3) 34:126-131
- Triticum aestivum*..... 18:15-22
- Trivalent aluminum 32:106
- Trochanteric fracture..... 34:227-235
- Tropicana rose and fluoride..... 3:45-46
- Tropocollagen 12:111-113; 15:177-190
- Trout fluoride content..... 2:71
- Trypsin inhibition 3:43-45; 16:255-256; 21:13-21
- Tryptophan metabolism 14:155-160 (cn 15:104)
- T-type Ca²⁺ channels 32:102
- Tubewell water fluoride..... 35:262
- Tucson, Arizona, caries analysis 27:238
- Tulip fluoride sensitivity..... 1:34-36
- Tumor necrosis factors 34:204
- Tumour-induced periosteal bone 28:160
- Tunisia (Gabes Gulf) environmental F⁻ 14:161-168
- Turkey, skeletal fluorosis . 13:81-85; 14:38-41; 17:4-8; 34:274
- Turkeys and fluorosis..... 12:105-106
- Tyrosine phosphorylation.....29:111; 32:261; 33:96-97
- Uchinomaki Hot Springs, Japan 4:154-166
- Udaipur District, Rajasthan, India32:39-40; 33:147-148
34:61-70; 35:56-57
- Uganda dental caries 34:185
- Ukraine
dental caries or fluorosis 14:44-45; 34:209-210
environmental F⁻ 14:44-45; 25:115-122; 26:23-32
28:180-188
- Ultraviolet light and caries 23:191-192
- Underground water See *F⁻ in groundwater*
- Unerupted teeth, F⁻ in fluorotic enamel 26:157; 28:164
- Ungulate fluoride variations 8:92-97, 182-191
9:73-90, 18:235-236
- United Kingdom
dental caries 19:147-148; 24:124; 28:169, 170
29:123; 32:131-132
dental fluorosis 27:55; 28:50; 33:219-220
dietary fluoride 17:142
environmental fluoride 1:50-53; 14:47; 21:210
hip fractures..... 33:39
skeletal fluorosis 1:117-118
urinary F⁻ bioindicator 32:27-32
- United States 27:220-226; 29:237-240 (cn 30:74)
34:184, 199, 199-200, 200-201
air quality fluoride survey..... 3:143-152
dental caries 3:71-79 (cn 203); 8:55-56; 9:163-164
18:174-175; 19:44-45, 102-103; 22:43-44, 92-93; 23:50,
55-67, 146-147; 27:237, 238; 31:54; 32:117-118; 33:41
dental fluorosis 8:55-56; 14:123-128 (cn 15:49)
18:174-175; 21:49-50, 92-93, 97-98; 23:50, 104-111,
180; 24:48-49; 29:114; 31:54; 32:34, 117-118, 256-257
(cn 33:98); 33:41-42, 220; 34:73-74, 75, 187, 188, 270-
271; 35:139-140, 204-205
environmental F⁻ 1:123; 2:97-105, 206-213; 3:27-30
97-99, 143-152; 4:93-96; 5:145-163; 6:127-137; 7:7-31,
181-199; 8:125-133, 182-191; 9:73-90; 10:14-21, 47-62;
11:38-39, 135-141, 211; 12:9-17, 102-103, 129-135;
13:171-172; 14:97; 15:12-20; 16:258; 18:235-236;
21:113-120; 28:167; 31:S4; 32:74-83; 35:65
- Environmental Protection Agency 35:252
hip fractures 19:51-54; 25:47-48, 161; 26:274-277, 286
287; 28:43; 29:253
ISFR Conference report 31:175-176; 32:2-6
skeletal fluorosis 1:94-102
- Uracil-fluoride interaction 15:48-49, 222
- Uranium enrichment UF₆..... 15:14-20
- Urea clearance, fluorosis 9:33-35; 13:10-16; 17:35-41
- Uremia and bone disease 10:22-27
- Uremic rats, F⁻ toxicity 31:151
- Urinary
aluminum and urinary F⁻ 30:85-88 (cn 194); 35:209-210
biomarkers, kidney damage 31:S9; 32:263
bio-rhythm..... 17:173-177; 34:250-257
calculi 13:10-16; 16:190-191; 18:124-125; 24:128
citrates 7:36-45
corticosteroid 24:23-28
creatinine 7:36-45; 9:33-35; 13:10-16; 14:155-160
(cn 15:104); 15:107-108; 31:S9; 32:118-119, 263;
33:S29-S30, 210-217; 34:212
deoxyypyridinoline, biochemical marker... 31:S1; 34:192-193
214-215
- Urinary fluoride..... 2:33-36; 8:54, 241, 242-243; 9:201-203
12:58-64; 13:41-42; 14:145; 21:100, 22:85-89; 26:225-226;
27:218; 30:65; 31:S16, S32; 32:27-32; 35:255
- and
plasma F⁻ 17:124-131, 266
salivary F⁻ 19:191; 22:85-89
water F⁻ 11:209-210; 13:45; 15:87-96; 17:155-159
159-167, 207-209, 243-246; 18:198-203; 21:137-141;
25:101-110; 27:141-144; 32:37-38, 91-95; 33:74-78,
90-91; 35:239-243
- animals 2:13-24, 33-36; 5:74-81; 6:151-154; 8:134-143
10:5-12; 11:106-107, 157-159, 161-162; 12:100-102,
144-154, 165-166, 177-182; 13:57-64; 14:21-29; 15:173-
177; 16:162-168; 17:119-123, 124-131; 18:41-46, 187-
197; 20:79-83; 21:193-200; 22:24-28, 112-118; 25:129-
134, 183-190, 197; 28:131-134; 31:S16; 32:153-161;

- 33(1):S29-S30, 210-217; 34:95-102
 children 4:85-88; 6:143-151; 7:88-93; 10:169-173, 187
 13:45; 15:21-25, 78-81; 17:155-159, 264-265; 18:30-36;
 19:191; 20:154-161; 21:87-92, 214; 22:99; 23:119-123;
 24:126; 26:159; 27:115, 168; 28:154; 29:185, 202-206;
 33(1):S5-S6, 74-78, 89-90, 90-91, 147-148; 34:186-187;
 35:63, 137-138, 239-243, 253
 diagnostic value 14:1-3; 147-149; 15:109; 17:207-209
 243-246
- Urinary fluoride cont'd*
 excretion 4:85-88, 97-98; 5:209-212; 6:4-17, 151-154
 7:36-45, 60-61, 62-63, 88-93; 8:12-24, 198-207, 245-247;
 9:167; 10:38-39, 94, 169-173, 187; 11:106-107, 157-159,
 161-162, 166-170; 12:5-8; 48-49, 102-103, 109-110, 165-
 166, 177-182, 188-194; 13:10-16, 45, 172-173; 14:21-29,
 95, 96, 141; 15:31-35, 43-47, 49, 173-177; 16:20-23, 54-
 60, 72-82; 17:62, 119-123, 155-159, 173-177, 207-209,
 264-265; 19:26-32, 34-35; 21:214; 23:48, 148-149; 26:72,
 226; 27:115; 29:185; 32:153-161; 33:33-38, (1)S29-S30,
 74-78, 90-91, 210-217; 34:186-187, 212, 250-257
 and
 bone meal 17:131-138
 environmental F⁻ 17:159-167, 200; 18:86-92
 24:62-65; 29:185; 33:95
 fluoridated salt 26:159; 28:154
 fluoride intake 8:176; 9:138-146; 11:209-210
 12:72-75; 28:61-70; 35:63, 137-138, 257
 pH 16:254-255; 17:201, 266
 fluorosis 1:86-93; 2:142-152; 4:64-79; 5:115-125
 6:4-17, 143-151; 7:200-208; 8:12-24; 9:138-146; 10:125-
 136; 11:120-124, 166-170; 12:72-75, 188-194; 13:10-16;
 14:51-55, 91-93; 15:25-31; 17:155-159, 243-246; 18:198-
 203; 20:24-27; 25:5-22, 101-110; 30:65, 85-88, 192-193
 occupational 2:13-24, 120-124; 4:97-98, 98-100
 7:226-227; 9:170-172, 215-216; 10:125-136; 12:48-49;
 14:44, 61-68, 75-86; 15:107-108; 16:90-100; 17:114-118,
 200; 18:46-53, 173; 19:26-32, 34-35, 80-86; 20:79-83,
 118-125, 189; 22:85-89; 24:62-65; 26:78, 224-225;
 27:52-53; 28:40, 203-208, 224; 29:163-165, 255
 30:61-63
 tea drinking 3:12-18; 5:209-212; 11:209-210; 29:139-143
 variations, analysis 1:15-20
- Urinary
 glycosaminoglycans 26:247-256
 hydroxyproline 7:36-45, 200-208; 9:185-200; 11:120-124
 14:90; 15:137-143; 18:117-119; 22:24-28; 34:202-203,
 214-215
- Urinary cont'd*
 kinetics, aluminum and F⁻ 28:224
 mineral excretion, space food 17:173-177; 34:250-257
 35:257
 potassium and sodium 11:106-107; 13:4-9; 25:101-110
- Urolithiasis 24:128; 34:269
 Urticaria 9:36-41; 10:1-4; 26:267-273
- USA See *United States*
- USSR dental caries or fluorosis 12:214-215; 14:182-191
 USSR water fluoride 22:48-49
- Utah, USA 25:161; 32:74-83
- Uterine
 adenylate cyclase activity 19:43
 biochemistry, mice 29:217-226; 31:143-148
 glycogen 34:9-20
- Valais, Switzerland 2:222-228; 11:198-207
- Value judgements, fluoridation 28:87-104; 35:263
- Vanadium binding 27:58
- Vanadium sludge, F⁻ content 19:10-13
- Vapour-phase F⁻, building deterioration 29:89-94
- Varanasi, India 14:86-90; 16:69
- Vas deferens 5:86-88; 22:78-85; 27:67-75; 31:203-216
- Vasoconstriction 29:182; 34:278
- Vasoconstrictor potency, steroids 8:174-175
- Vasopressin 29:45-46
- Venice environmental fluoride 14:102-107
- Ventilatory lung function 24:90-94; 29:255
- Vero cell proliferation 16:68-69
- Vertebral
 body
 biomechanics, rats 28:219
 density, trabecular 24:47-48
 bone mineral density 24:129; 25:202-203; 27:173
 canal, fluorosis 29:29-32
 fractures, osteoporosis 24:50; 25:92, 202-203
 27:167-168, 172-173; 29:38; 31:100
 trabecular bone, osteofluorosis 19:41-42
- Vertical section stereology 23:154-163
- Vichy St-Yorre (bottled water) 30:249-250; 31:226
 32:36, 107
- Vicia faba* (broad bean)
 chlorophyll 20:177-182
 seed germination 6:154-162
 ultrastructural changes 11:89-99
- Vigna sinensis* and fluoride 4:30-36
- Vinyl fluoride, tumors 28:228-229
- Visakhapatnam, India 3:105-106
- Vitamin
 A 26:283-284; 29:20-24; 34:202
 and bone growth 4:188-190, 190-193
 C (ascorbic acid) 9:167; 11:60-67, 159-161; 12:65-71
 144-154; 15:97-104; 24:29-39; 26:45-56, 283-284; 27:67-
 75, 205-214; 28:75-86; 29:20-24; 30:41-50, 68-69;
 32:215-229; 33(1):S6-S7, 187-195; 34:9-20, 34:21-33,
 103-107, 108-113, 206, 206-207, 208-209, 210-211;
 35:104-109, 131, 197-203, 209, 251
 D 2:106-115; 5:227-229; 6:253; 12:58-64; 14:101
 17:14-22; 21:45; 24:129-130; 25:65-70, 191-192, 193-
 194; 30:147-152; 31:100, 203-216; 34:184-185
 D₃ 11:210; 13:99; 26:283-284
 E (alpha tocopherol) 14:193; 18:221-226; 20:48
 31:203-216; 32:215-229; 34:9-20, 21-33, 206, 206-207,
 208-209, 210-211; 35:131
- Volcanic eruptions and children 31:223-224
- Volcanic-derived fog 31:54

- Volcanoes and fluoride 5:58-65; 10:152-156; 22:59-65
- Waldrott EM, obituary 30:75-76
- Waldrott GL,
 Commemoration 31:2-4, 4-6, 6-7, 7-8, 8-9, 9-12, 12
 obituary 15:165-168
 Publications 31:21-25
- Warta Reservoir, Poland 34:51-54
- Washington, DC 3:71-79 (cn 203)
- Water and turf, waterworks engineers 30:67
- Water
 arsenic and F⁻ content 30:81-84 (cn 194); 34:194
 constituents and fluorosis 1:54-55, 65-75, 76-85, 86-93
 6:4-17; 8:34-38, 154-161; 9:185-200; 13:49-57; 14:69-74,
 91-93; 17:14-22, 48-52, 155-159; 18:135-140, 198-203;
 26:219
 contents evaluation, bottled waters 33:142
 defluoridation 3:31-35; 9:98-104; 20:54-63, 64-67
 26:220, 222, 228; 27:81-88, 108-109, 109; 110; 28:41,
 115-116; 29:212-216; 30:128, 207-218; 31:S30, 227;
 32:108; 34:191-192, 195-196, 196-197; 35:253-254
 filters and fluoride content 30:128
 fluoridation *See Fluoridation*
- Water fluoride and
 aluminum 21:58-59
 birth rates 27:231
 bone
 fracture 20:36; 25:47-48, 48-49, 49-50, 50, 161
 28:107; 29:253; 31:221; 32:255-256; 33:39, 39-40;
 34:91-94, 139-149, 155
 fragility 25:1-4
 parameters 3:163; 12:18-27; 14:14-21; 18:96-104
 19:149-150; 20:36; 25:50; 28:155; 29:112; 31:149, S16;
 32:91-95; 34:209-210, 214-215
 cancer 33:86; 34:184
 dental caries ... 5:31-33; 6:188, 248-251; 9:124-126; 13:138
 14:123-128 (cn 15:49); 16:69; 17:60-61; 18:174-175;
 19:40; 20:144; 21:104, 137-141; 22:50, 92-93; 23:55-67,
 144-145, 186; 26:263-268; 27:13-22, 50-51, 59-66, 238;
 28:51, 53, 55, 118, 169; 30:193; 32:39, 130-131;
 33(1):S6, 86-87, 140, 141-142; 34:76-77, 185, 269-270
- dental fluorosis 4:154-166; 6:106-112; 8:243-244
 14:86-90, 123-128 (cn 15:49); 17:60-61, 155-159;
 18:140-145, 174-175; 19:151; 20:75-78, 144, 146-147,
 147-148; 21:47-48, 49-50, 104, 137-141, 159-160; 22:50,
 92-93, 99; 23:104-111; 25:160-161; 26:181-186; 27:50-
 51; 28:50, 55, 218; 29:151-155, 202-206, 256; 30:26-28,
 33-40, 81-84 (cn 194), 223-228; 31:54, S5, S11, S12,
- Water fluoride and cont'd*
 dental fluorosis 31:S14; 32:37-38, 39, 118-119, 128
 130-131, 258; 33:41-42, 86-87, 121-127, 218, 220-221;
 34:61-70, 76-77, 139-149, 153-154, 187, 209-210, 219-
 220, 269-270, 270-271; 35:138-139
 fluoride in teeth 19:147; 22:48; 26:115-124; 28:164
 gastrointestinal effects 25:5-22; 26:97-104
 geological land faults 18:212-216
 goiter 6:119-120; 26:236; 32:127-128
 mineral metabolism 5:213-219
 minerals, myocardial infarction 19:39
 other water parameters 21:106
 relationship with other ions 21:22-27
 sister chromatid exchange 29:43-44
- Water fluoride *See F⁻ in water*
 dependence on water quality 33:121-127
 in
 geothermal sources 22:155-156; 32:74-83; 33:142
 rivers 23:31-34; 30:188; 35:193-196
 thermal springs 3:41-42; 19:173-180; 20:75-78
 wells, variations 20:37; 22:155-156
 maximum contaminant level 18:1-3
 variations, climactic influence 23:183-184; 24:84
- Water
 geochemistry 14:69-74; 20:4-10; 27:89-92; 32:113-114
 34:191-192
 management 33(1):S36; 35:141-142
 quality parameters, endemic area ... 19:173-180; 26:97-104
 30:26-28; 33:121-127
 residue, F⁻ analysis (PIGE) 35:176-184
 salinity and F⁻, roses 3:45-46
 soluble F⁻ in soil 12:28-32; 25:135-142; 29:166-174
 32:67-70; 33(1):S33; 35:122-129
 strontium and caries 18:65-66
 structure, FTIR spectroscopy 30:250-251
 treatment and lead uptake 31:S25; 33:88-89
 proofing spray 32:122-123
 Weight of evidence analysis 35:245-246
- Welders *See F⁻ in welders*
- Wheat roots 3:107-108
- White Pine (*Pinus strobus*) 30:242-243
- White-tailed deer (*Odocoileus virginianus*) 8:182-191
 9:73-90; 19:196
- Wildlife and F⁻ standards 17:41-47
- Wind and airborne F⁻ 19:14-18; 22:179-187
- Wine fluoride content 30:142-146, 274; 32:109
- Wine fluorosis, Periostitis Deformans 1:56-64
- Wool production 21:60-68
- World Health Organization 26:263-268
 data bank 27:37-44, 45-48
 guidelines, F⁻ in water 22:99; 31:171-174
- World's F⁻ ground stores 14:69-74
- Wuhan, China 17:62; 20:144
- X... ISFR Conference *See ISFR Conference*
- Xanthine oxidase activity, liver 26:78
- Xaochang, Sichuan Province, China 33:135-139
- Xenopus 32:102
- Xinjiang, China 27:161; 30:81-84 (cn 194)
- Xinxhai, Guizhou Province, China 30:29-32
- X-ray fluorescence analysis, hair 20:162-171; 25:55-64
- X-ray fluorescence, BMD 33(1):S15-S16
- X-ray microanalysis, F⁻ distribution, fractures 26:150-151
- Yamuna Alluvial Plain, India 22:119-127
- Yellowstone National Park 32:74-83

Yiamouyiannis JA, obituary	33:151-153
Yiamouyiannis JA, tribute	34:157-158
Zanfagna, PE obituary	15:109
<i>Zea mays</i> (corn).....	11:129-134; 16:235-242, 220-228
	25:175-182
Zeolites, defluoridation.....	27:81-88
Zhonghua Maifanshi (Chinese medical stone)	23:37-42
Zinc	13:49-57; 15:81-87; 16:187; 17:81-93; 29:183-184
	33(3):S7