

SUBJECT INDEX 2003

- A treatise on fluorosis,
book review 36:200
- Acetylcholine receptors 36:62-63
- Acid gases solubility 36:303
- Acidic proteins 36:241-51
- Acute fluoride toxicity 36:64-65
- Addis Ababa 36:130
- Adenylate energy
charge (AEC) 36:113-21
- Adrenal gland function 36:241-51
- African Americans 36:211
- Albino rabbits 36:30-37
- 95-105, 241-51
- Aluminium smelter
workers 36:133-34
- Aluminum 36:296-97
- Aluminum
fluoride complexes... 36:46, 129
- plant emissions 36:215-16
- potroom 36:67
- Amelioration of toxicity .. 36:66-67
- Amiodarone 36:290-91
- Anesthetic, sevoflurane 36:66
- Antagonistic effects 36:207-8
- Antioxidant enzymes ... 36:138-41
- Anti-oxidant systems 36:299-300
- Antioxidants 36:66-67
- Antioxidative enzymes .. 36:201-2
- Apoptosis 36:45-46, 63, 64
135, 204-5, 231-40
- Aquatic organisms 36:59-60
- Arsenic 36:208
- Arsenic removal 36:122-28
- Arsenic trioxide 36:137
- Arsenic-fluoride exposure 36:137
- Arthritis 36:70-71
- Articular cartilage 36:209-10
- Artificial neural
network 36:215-16
- Asians 36:210-11
- Aspen seedlings 36:210
- Atmospheric fluoride... 36:157-62
- Australia 36:212-13
- Baby bottle caries 36:294-95
- Bangladesh water F⁻ 36:38-44
- Basic proteins 36:241-51
- Biological effects 36:271-79
- 2,3-Bisphosphoglycerate
(2,3-BPG) 36:113-21
- Blood lead 36:54-55, 79-81
198-99
- Body weight and NaF 36:134
- Bone fluoride 36:185-88
- Bone fracture 36:208-9
- Bone mineral density .. 36:132-33
- Brain histopathology ... 36:95-105
- Brazil 36:55, 207
- Brick-making 36:58-59
- Brick-tea 36:51, 52, 71, 296-97
- Brushite 36:56-57
- [125]α-Bungarotoxin 36:290
- Cake alum 36:122-28
- Calcite 36:56-57
- Calcium channels 36:300-301
- Calcium currents 36:300-301
- California Head Start... 36:210-11
- Cardiac arrhythmias 36:290-91
- Caries
and blood lead 36:54-55
- in children 36:292
293, 294-95
- in young children 36:295-96
- prevalence 36:52-53, 55
- prevention 36:53-54
- preventive effects 36:212-13
- Caspase-3 activation 36:204-5
- Catalase 36:298
- Cell extracts 36:205
- Cell membranes 36:303
- Cessation of fluoridation *See*
Fluoridation discontinued
- Ceylon tea 36:267-70
- Chemical analysis 36:215
- Chemical regulation 36:214
- Chicken femur 36:209-10
- Chihuahua 36:70
- Children 36:207
- Children's intelligence ... 36:84-94
198-99
- China 36:60, 84-94, 106-12
198-99, 208-9
- Chinese grains and
vegetables 36:296
- Chlorofluorocarbons... 36:135-36
- Cholesterol 36:30-37, 241-51
- Chronic fluorosis 36:136
- Clonogenicity 36:231-40
- Coal burning and
fluorosis 36:106-12
- Coal fluoride ... 36:106-12, 214-15
- Combustion method 36:16-20
- Common reeds 36:21-24
- CuZnSOD inhibition 36:143
- Cytochrome P-450 36:170-76
- Cytochrome P450 2E1 36:66
- Deferoxamine 36:135
- Defluoridation in India 36:297
- Defluoridation of water *See*
Water defluoridation
- Dental Caries *See* Caries
- Dental enamel/
ultrastructure 36:252-62
- Dental fluorosis 36:55-56
70, 271-79, 292, 293
- and coal burning 36:106-12
- perception 36:130
- prevalence 36:131
- Dental lesions 36:189-97
- Dental tissue F⁻
distribution 36:129-30
- Dioxin 36:280-89
- DNA damage 36:64
- DNA synthesis 36:30-37, 241-51
- Donora Death Fog 36:1-7
- Dorsal root ganglion.. 36:300-301
- Drinking water 36:122-28
- quality 36:215
- Dunedin, NZ, XXVth
ISFR conference 36:8-11
- Early childhood caries 36:210-12
- Earthworm 36:143-51
- East Africa 36:47-48
- Eisenia fetida* 36:143-51
- Ekambaram Perumal .. 36:189-97
- Electrocardiogram
in sheep 36:136
- Electrophysiology 36:300-301
- Enamel defects 36:293-94
- Enamel-dentine
junction 36:129-30
- Endemic fluorosis 36:60, 65
106-12
- and menopause 36:132-33
- Endocrine disrupters... 36:280-89
- Endothelial cell barrier
dysfunction 36:45
- English school
children 36:293-94
- Environmental Fluoride 36:1-7
- in aquatic vegetation .. 36:21-24
- Enzymatic poisons 36:300
- [3H]Epibatidine 36:290
- Epidermal growth factor... 36:201
- Epithelial lung cells 36:135
- Erythrocytes 36:113-21
- Ethics of fluoridation ... 36:131-32
- Ethiopia 36:49-50, 130, 215
- European Union 36:214
- Extraction method 36:16-20
- Female mice 36:134
- Ferric ion 36:205-6

- Fetal development..... 36:302
 Fibroblasts..... 36:201
 Finland, Kuopio 36:52-53
 Fluoridated water..... 36:207
 Fluoridation..... 36:129-30
 acute toxicity..... 36:64-65
 and caries 36:52-53, 55
 debate..... 36:271-79
 discontinued ... 36:52-53, 55-56
 ethics 36:131-32
 in Finland 36:52-53
 Fluoride and
 brain effects 36:79-81, 84-94
 95-105
 liver, experimental 36:25-29
 30-37
 protein expression 36:203-4
 reproductive effects 36:134
 silkworm fecundity ... 36:163-69
 Fluoride
 determination 36:16-20, 132
 effects in soft water..... 36:300
 effects on reproductive
 hormones 36:298-99
 excretion 36:66
 exposure 36:212-13, 263-66
 health hazards . 36:279, 280-89
 Fluoride in
 beverages 36:48, 49-50
 bone..... 36:209-10
 brain..... 36:263-66
 drinking water 36:56
 fish bones 36:185-88
 food..... 36:47-48, 49
 hair..... 36:214-15
 kidney 36:263-66
 liver 36:263-66
 serum..... 36:263-66
 soft tissue 36:16-20, 263-66
 soil 36:58-59
 tea.... 36:50-51, 267-70, 296-97
 teeth..... 36:129-30
 testis 36:263-66
 vegetation 36:215-16
 village water.... 36:49-50, 84-94
 water..... 36:38-44, 57-58, 70
 Fluoride inhibition 36:210
 of SOD 36:143-51
 Fluoride
 intake 36:47-48, 49-50, 207
 intoxication..... 36:201-2
 overfeed..... 36:64-65
 pollution 36:68, 157-62
 prophylactics,
 dentifrice..... 36:53-54
 removal..... 36:122-28, 206
 Fluoride *cont'd*
 stress.. 36:138-41, 217-28, 298
 subcommittee..... 36:280-89
 toothpaste..... 36:295-96
 toxicity 36:59-60, 61-62
 64-65, 95-105, 134, 189-97,
 231-40, 290-91
 in
 aquatic organisms 36:300
 freshwater
 organisms 36:301-2
 reduction..... 36:296
 ameliorating/reversible
 effects 36:46-47, 66-67
 Fluoride
 water..... 36:208-9
 -contaminated
 sediment 36:301-2
 -induced apoptosis 36:135
 -induced CNS
 dysfunction..... 36:290
 -induced hyper-
 kalemia..... 36:290-91
 Fluorosis *See*
 Species - Cattle/Rabbit/Rat
 fluorosis, etc
 in animals 36:217-28
 in China 36:296-97
 in humans..... 36:217-28, 298
 in sheep.. *See* Sheep Fluorosis
 in Turkey..... 36:132-33
 Prevention and Defluoridation
 Announcement..... 36:14-15
 82-83, 142, 229
 prevention/improve-
 ments 36:66-67
 Fluorotic sheep..... 36:152-56
 Food-borne fluoride..... 36:170-76
 Free
 radical toxicity..... 36:297
 amino acids 36:30-37
 241-51
 fatty acids 36:241-51
 radical toxicity..... 36:138-41
 toothpaste..... 36:53-54
 Freons 36:68
 Frog embryos..... 36:302
 Gas exchange 36:210
 Glucose-6-phosphate
 dehydrogenase..... 36:152-56
 Glutathione..... 36:143-51
 peroxidase 36:201-2, 208
 217-28
 S-transferase..... 36:298
 Glycogen 36:241-51
 Gonadotrophs 36:298-99
 G-protein
 activation 36:129
 signaling 36:135
 G-proteins 36:72
 Granulocytic pathway . 36:291-92
 Groundwater 36:122-28
 GTP-binding proteins..... 36:129
 Halogenated
 refrigerants 36:135-36
 Hemodialysis..... 36:68-69
 Hepatic function 36:30-37
 Hepatotoxicity 36:25-29
 Hepatotoxicity 36:45-46
 Hidden dangers 36:280-89
 HL-60 cells 36:204-5, 291-92
 Ho Chi Min City 36:129-30
 Horses..... 36:62
 Human fluorosis..... 36:297, 298
 Human leukemic cells. 36:231-40
 Hydrogen fluoride toxicity .. 36:67
 Hydroxyapatite 36:59, 60-61
 Hyperglycemia 36:201-2
 Hypoglycemia 36:46-47
 Hypoplasia 36:293-94
 Hypoproteinemia 36:46-47
 Immune response 36:202
 Improvements in coal-
 burning stoves..... 36:296
 India 36:62
 Inhibin -B 36:298-99
 Intelligence Quotient
 (IQ).... 36:79-81, 84-94, 198-99
 Ion selective electrode
 activation 36:132
 Ionizable fluoride..... 36:68-69
 IQ lowering..... 36:79-81, 84-94
 198-99, 280-89
 ISFR
 Publication Guidelines 36:73-78
 XXVth Conference
 Report 36:8-11
 Tragic loss, JR Lee, MD 36:230
 Japanese food 36:49
 Jordan 36:54-55, 79-81, 198-99
 Kentucky USA..... 36:294-95
 Knowsley..... 36:213
 Lactate
 dehydrogenase 36:291-92
 Latinos/Hispanics..... 36:210-12
 Lead 36:54-55, 79-81, 198-99
 Leaf expansion..... 36:210
 Lee John R, tragic loss 36:230
 Lipid peroxidation..... 36:45-46
 138-41, 298, 299-300
 Lipid peroxides..... 36:208
 Liver toxicity 36:61

- Liver transaminases36:25-29
 Locomotor behavior36:189-97
 Luboń, Poland . 36:21-24, 185-88
 Lung-function
 changes36:133-34
 Magadi36:47-48
 Malondialdehyde36:152-56
 201-2, 205-6, 217-28, 299-300
 Margin of safety36:271-79
 280-89
 Maximum contaminant
 level standards36:280-89
 Melaku Z36:215
 Menopause36:132-33
 Mexico36:70
 Mibefradil36:300-301
 Mice36:202
 Milk fluoridation36:213
 Mitochondria36:204-5
 MLC phosphorylation36:45
 Mulberry leaf F⁻ LC₅₀ ..36:157-62
 Murine bone marrow
 cells36:291-92
 Na⁺-K⁺ ATPase36:152-56
 NADPH oxidase36:203
 Nalgondo technique36:297
 Nanotube supported
 alumina36:206
 National Research
 Council36:280-89
 Nazareth36:130
 Neuropathic pain36:300-301
 Neuropathology36:95-105
 Neurotoxicity36:62-63, 64
 95-105
 Neurotrophins36:203
 Neutrophils36:67
 New Zealand, Dunedin ISFR
 Conference36:8-11
 Nickel ions36:300-301
 Nicotinic acetylcholine
 receptors36:290
 Occlusal surfaces36:252-62
 Occupational
 exposure36:135-36
 Occupational fluoride ..36:133-34
 Oral streptococci36:205
 Osteoblastic bone
 formation36:291-92
 Osteoclastic bone
 resorption36:291-92
 Oxidative damage36:208
 Oxidative neuronal death ..36:203
 Oxidative stress36:25-29
 61-62, 138-41, 201, 204-6,
 217-28
 Pakistan36:58
 Pancreas36:202
 PC12 cells36:290
 Permanent first molars 36:212-13
 Permanent molars36:293-94
 Phosphatase kinase
 activity36:135
 Phospholipids36:241-51
Phragmites australis36:21-24
 Plant pathways36:303
 Plasmolysis36:303
 Poland
 Environmental F⁻36:21-24
 Symposium, Fluoride
 Research36:12-13
 Poly aluminum chloride
 coagulant36:297
 Polymeric anionic
 flocculent36:122-28
 Postmenopausal
 women36:132-33
 Post-production waste ..36:21-24
 Potassium channel
 blockers36:290-91
 Precautionary principle36:214
 Pregnancy rates36:137
 Protein synthesis36:30-37
 241-51
 Proton induced gamma
 emission36:38-44
 Quinidine36:290-91
 Rabbit fluorosis36:30-37
 241-51
 Rabbits36:298
 Rainwater36:38-44
 Rajasthan36:65
 Rat
 brain36:205-6, 208
 fluorosis36:25-29, 205-6
 intoxication36:170-76, 207-8
 liver study36:25-29
 reproduction36:137
 toxicity36:189-97
 Rats36:263-66, 299-300
 RBC glutathione
 dismutase36:299-300
 RBC superoxide
 dismutase36:299-300
 Reactive oxygen
 species36:217-28, 298
 Renal damage36:63
 Renal impairment36:207-8
 Respiration inhibitors36:205
 Respiratory
 symptoms36:68, 133-34
 Reversal of F⁻ toxicity ...36:66-67
 Rift Valley36:215
 Risk analysis36:214
 RNA synthesis ..36:30-37, 241-51
 Root water transport36:210
 Safety threshold36:60, 106-12
 Salivary *streptococcus*
 mutans36:295-96
 School milk36:213
 Scientific evidence36:271-79
 Selenium36:63, 207-8
 Semen36:298-99
 Sensory neurons36:300-301
 Serpentine36:71
 Sertoli cells36:298-99
 Serum
 calcium36:189-97
 enzymes36:170-76
 fluoride ..36:62, 113-21, 189-97
 Sevoflurane anaesthesia ...36:66
 Sheep fluorosis ...36:136, 152-56
 Shivarajashankara YM36:300
 Silicofluorides36:131-32
 Silkworm *Bombyx*
 mori L36:157-62, 163-69
 Skeletal fluorosis36:70-71
 271-79, 298
 Skelmersdale36:213
 Sodium
 fluoride ..36:30-37, 202, 231-40
 241-51, 302
 and bone formation ..36:291-92
 hexafluorosilicate
 (Na₂SiF₆)36:231-40
 Soft tissue F⁻
 determination 36:16-20, 263-66
 South Africa36:56
 Spleen36:202
 Statistical modeling36:215-16
Streptococci pyogenes ..36:203-4
 Superoxide dismu-
 tase36:201-2, 208, 217-28
 inhibition36:143-51
 Superoxide free
 radicals36:138-41, 217-28
 Surface water36:38-44
 Symposium Report, Fluoride
 Research36:12-13
 Szczecin, Poland36:12-13
 Tamoxifen36:170-76
 Tanna, Volcanic activity 36:57-58
 Tea infusion36:267-70
 Teratogenesis36:302
 Testicular toxicity36:61-62
 Thylstrup-Fejerskov Index 36:131
 Thyroid function36:72
 Tibet36:51, 52

310 2003 Subject Index

- Titanium tetrafluoride...36:252-62
 Toothbrushing36:292, 293
 Topical fluoride.....36:252-62
 Total adenylate nucleotides (TAN).....36:113-21
 Total lipids36:241-51
 Trace fluoride determination.....36:132
 Treatise on fluorosis A, book review 36:200
 Treatment of fluorosis ...36:66-67
 Triglycerides36:241-51
 Triiodothyronine.....36:72
 TSH-receptor.....36:72
 Tube well water36:38-44
 Turkish tea.....36:267-70
 Tyrosine phosphatase..... 36:201
 United Kingdom..... 36:213
 United States of America36:70-71
 Urinary fluoride..... 36:263-66
 Urinary fluoride levels . 36:298-99
 Vanaja Paul.....36:189-97
 Vested interests 36:271-79
 Visual screening.....36:294-95
 Vitamin C..... 36:298
 Vitamin D.....36:189-97
 Warta reservoirs.....36:21-24, 185-88
 Water defluoridation.....36:56-57, 59 60-61, 71, 122-28, 206
 Water *cont'd*
 fluoridation..... 36:292, 293
 and dental fluorosis ... 36:56, 70
 intake..... 36:271-79
 pollution.....36:21-24, 185-88
 Weak acid effects 36:205
When Smoke Ran Like Water, book review 36:1-7
 WHO criteria 36:292, 293
Xenopus..... 36:302
 XXVth ISFR Conference..... *See* ISFR Conference...
 Yasur..... 36:57-58
 Zinc36:63, 207-8, 209-10