

FLUORIDE

Quarterly Journal of the International Society for Fluoride Research

<http://homepages.ihug.co.nz/~spittle/fluoride-journal.htm>

Owned & published by the INTERNATIONAL SOCIETY FOR FLUORIDE RESEARCH © 2004. All rights reserved.

Editor:

Prof Emeritus Albert Burgstahler, Lawrence, Kansas, USA.
E-mail: awburg@ku.edu

Managing Editor:

Dr Bruce Spittle, Dunedin, New Zealand.
E-mail: spittle@es.co.nz

Associate Editors:

Prof Emeritus Lennart Krook, Ithaca, New York, USA.
Prof Emeritus Niloufer Chinoy, Ahmedabad, India.
Prof Emeritus Gene Miller, Logan, Utah, USA.

Dr Richard Foulkes, Abbotsford, BC, Canada.
Prof Hardy Limeback, Toronto, Ontario, Canada.
Prof Emeritus Ming-Ho Yu, Bellingham, WA, USA.

Editorial Assistant:

Bill Wilson, North Shore City, New Zealand.

EDITORIAL

- 239–242..... RETREAT OF THE FLUORIDE-FLUORIDATION PARADIGM
Albert W Burgstahler, Editor, *Fluoride*.
Hardy Limeback, Associate Editor, *Fluoride*.

RESEARCH REPORTS

- 243–248..... ARSENIC AND FLUORIDE INDUCED TOXICITY IN GASTROCNEMIUS
MUSCLE OF MICE AND ITS REVERSAL BY THERAPEUTIC AGENTS
NJ Chinoy, SB Nair, DD Jhala. Ahmedabad, India.
- 249–256..... MITIGATION OF GENOTOXIC EFFECTS OF FLUORIDE AND ARSENIC BY
ASCORBIC ACID IN HUMAN LYMPHOCYTE CULTURES
SB Nair, DD Jhala, NJ Chinoy. Ahmedabad, India.
- 257–263..... RECOVERY FROM FLUORIDE AND ALUMINIUM INDUCED FREE RADICAL
LIVER TOXICITY IN MICE
NJ Chinoy, AK Sharma, TN Patel, R Memon, DD Jhala. Ahmedabad, India.
- 264–270..... EFFECTS OF HIGH FLUORIDE AND LOW IODINE ON OXIDATIVE STRESS
AND ANTIOXIDANT DEFENSE OF THE BRAIN IN OFFSPRING RATS
Jundong Wang, Yaming Ge, Hongmei Ning, Shaolin Wang. Shanxi, China.
- 271–277..... FLUORIDE AND MAGNESIUM CONTENT IN SUPERFICIAL ENAMEL
LAYERS OF TEETH WITH EROSIONS
Danuta Waszkiel, Krystyna Opalko, Ryta Łagocka, Dariusz Chlubek. Bia³ystok
and Szczecin, Poland.
- 278–290..... EVALUATION OF DENTAL CARIES AND NURSING CARIES PREVALENCE
IN PRE-SCHOOL CHILDREN LIVING IN A HIGH FLUORIDE AREA OF
TURKEY
Zuhal Kirzioglu, Münciye Semra Özay Ertürk, Hüseyin Karayılmaz. Isparta,
Turkey.
- 291–295..... MAGNESIUM-ALUMINUM MIXED OXIDES (MAO) FOR ALLEVIATING
FLUOROSIS IN GROWING-FINISHING PIGS
X Tao, ZR Xu, MS Xia, CH Hu, YZ Wang. Hangzhou, China.

- 296–300..... FLUORIDE IN NEWER TEA COMMODITIES
Jin Cao, Jianwei Liu, Yan Zhao, Haiyan Qu, Sangbu Danzeng, Wei Da, Yuzhu Guan. Changsha, P.R.China

RESEARCH REVIEW

- 301–314..... EXCITOTOXICITY: A POSSIBLE CENTRAL MECHANISM IN FLUORIDE NEUROTOXICITY
Russell L Blaylock. Ridgeland, MS, USA.

ABSTRACTS

HEALTH/BIOLOGICAL EFFECTS

- 315 ASSOCIATION BETWEEN FLUORIDE, MAGNESIUM, ALUMINUM AND BONE QUALITY IN RENAL OSTEODYSTROPHY
Ng AH, Hercz G, Kandel R, Grynepas. Toronto, ON, Canada.

DENTAL EFFECTS

- 315–316..... CHANGING PARADIGMS IN CONCEPTS ON DENTAL CARIES: CONSEQUENCES FOR ORAL HEALTH CARE
Fejerskov O. Aarhus, Denmark.
- 316–317..... CONSUMPTION OF NONPUBLIC WATER: IMPLICATIONS FOR CHILDREN'S CARIES EXPERIENCE.
Armfield JM, Spencer AJ. Adelaide, SA, Australia with comments by Mark Diesendorf, Epping, NSW, Australia.
- 318 THE RELATIONSHIP BETWEEN DENTAL CARIES AND DENTAL FLUOROSIS IN AREAS WITH MODERATE- AND HIGH-FLUORIDE DRINKING WATER IN ETHIOPIA
Wondwossen F, Astrom AN, Bjorvatn K, Bardsen A. Bergen, Norway.
- 318 ASSOCIATIONS BETWEEN INTAKES OF FLUORIDE FROM BEVERAGES DURING INFANCY AND DENTAL FLUOROSIS OF PRIMARY TEETH
Marshall TA, Levy SM, Warren JJ, Broffitt B, Eichenberger-Gilmore JM, Stumbo PJ. Iowa City, IA 52242, USA.
- 319–320..... WATER FLUORIDATION AND DENTAL CARIES IN 5- AND 12-YEAR-OLD CHILDREN FROM CANTERBURY AND WELLINGTON
Lee M, Dennison PJ. Christchurch, New Zealand with comments by Bill Wilson, North Shore City, New Zealand.

- 320 **CORRECTIONS**

ANNOUNCEMENT

- 320 THIRD ANNOUNCEMENT: XXVITH CONFERENCE OF THE INTERNATIONAL SOCIETY FOR FLUORIDE RESEARCH

BOOK REVIEW

- 321–323..... FLUORIDE IN MEDICINE, BIOLOGY AND TOXICOLOGY. 2003.
Darius Chlubek, editor. Reviewed by Bruce Spittle.

2004 INDEXES

- 324–325..... AUTHOR INDEX

- 326–328..... SUBJECT INDEX