LIBERTAS MATHEMATICA,VOL.XVI(1996)

M I S C E L L A N E A

MATHEMATICIANS AND COMPUTER SCIENTISTS OF ROMANIAN EXTRACTION RESIDING OUTSIDE ROMANIA

A

Flavian Abramovici
Department of Mathematics
Tel-Aviv University
RAMAT-AVIV, Israel

Sergiu Aizicovici
Department of Mathematics
Ohio University
ATHENS, OH 45701

Felix Albrecht
Department of Mathematics
University of Illinois
URBANA, IL 61801

Casius Alexandru
Vinetaplatz 2
1000 BERLIN 65
Germany

Titu Andreescu
1072 Thacker
DES PLAINES, IL 60016

Constantin Anghel
Quality Department BMW AG
Postfach 1120
84122 DINGELFING
Germany

Nicolae Anghel
Department of Mathematics
University of North Texas
DENTON, TX 76203

Mihaela Antonescu
Departement d'Informatique
Universite de Moncton
MONCTON, N.B. E1A 3E9
Canada

Marian Apostolache
402-15 Dellroy Avenue
KITCHENER, Ontario
Canada, N2A 2S2

Mircea Arcan
Tel-Aviv University
School of Engineering
69978 TEL-AVIV, Israel

Marian Aron
Department of Mathematics
Plymouth Polytechnic
PLYMOUTH DEVON, PL4 8AA
Great Britain

Dragu Atanasiu
Department of Mathematics
Chalmers University of Technology
GÖTEBORG, Sweden

Florin Avram
Department of Mathematics
Northeastern University
BOSTON, MA 02115

B

Vasile Badea
596 rue Lavoie
STE. DOROTHEE, Laval, P.Q.
Canada, H7X 2P4

Evelina Baesu
Department of Mechanical Engineering
Johns Hopkins University
BALTIMORE, MD 21218

Malvina Baica
Department of Mathematics and Computer Science
University of Wisconsin
WHITEWATER, WI 53190

Egon Balas
Graduate School of Industrial Administration
Carnegie-Melon University
PITTSBURGH, PA 15213

Liana Barak
Department of Mathematics
Technion
HAIFA, Israel

Anca Barsanescu
26 rue Miolis
PARIS 15°, France

Ilie Bârza
Department of Mathematics
Lulea University of Technology
LULEA, Sweden

Ion Marin Belcea
282 W. Kings Village
BUDD LAKE, NJ 07960

Alexandra Bellow
Department of Mathematics
Northwestern University
EVANSTON, IL 60201

Hari Bercovici
Department of Mathematics
Indiana University
BLOOMINGTON, IN 47405

V. Bercu
Lab. Statistique
Bat. 425, Math.
University Paris Sud
91405 ORSAY Cedex
France

Richard Blum
Department of Mathematics
University of Saskatkchewan
SASKATOON, S7N 0W0, Canada

M. V. Bodnarescu
Baumbluete 4
D-4300 ESSEN (1)
Germany

Ciprian Borcea
Rider College
Lawrenceville Rd.
LAWRENCEVILLE, NJ 08648

Georgeta Borcea
Docentgatan 7A
21452 MALMO, Sweden

Dan Bradu
Department of Statistics
University of South Africa
0001 PRETORIA, South Africa

Mihai Brancovan
1 bis Blvd. R. Wallace
92200 NEUILY SUR SEINE
France

Andrei Breazna
Department of Mathematics
Louisiana State University
BATON ROUGE, LA 70803

Aurora Breazna
Department of Mathematics
Louisiana State University
BATON ROUGE, LA 70803

Virgil Brisca
24-20 83rd St.
EAST ELMHURST, NY 11370

Ion Christian Bruteanu
39/19-25 Queen St.
Newtown 2042
SYDNEY, Australia

D. Bucur
Ecole des Mines de Paris
Centre Math. Appl.
B.D. 207
06904 SOPHIA ANTIPOLIS
France

Florica Bucur
c/o Alexandru Lascu
Istituto di Matematica
Universita degli Studi
FERRARA, Italy

Jorge Buescu
Dept. Matematica
Inst. Superior Tecnico
1093 LISBOA, Portugal

Ana Burghelea
Department of Mathematics
Ohio State University
COLUMBUS, OH 43210

Dan Burghelea
Department of Mathematics
Ohio State University
COLUMBUS, OH 43210

Dan Butnariu
Department of Mathematics
University of Haifa
HAIFA, Israel

C

Eugene Calinescu
79-23 71st Avenue
GLENDALE, NY 11385

Cristian Calude
Division of Science & Technology
University of Aukland,
Tamaki-Campus
AUKLAND, New Zealand

Elena Calude
Division of Science & Technology
University of Aukland,
Tamaki-Campus
AUKLAND, New Zealand

John Carstoiu
44 Winslow Road
BROOKLINE, MA 02146

Gheorghe Cernatescu
449 Ingram Avenue
STATEN ISLAND, NY 10314

Roxana Costinescu Chevreau
Department of Mathematics
Portland State University
PORTLAND, OR 97207

Doina Cioranescu
Laboratoire d'Analyse Numerique
Universite de Paris VI
4, Place Jussieu
75230 PARIS Cedex 05, France

Ioana Cioranescu
Department of Mathematics, Box BF
University of Puerto Rico
RIO PIEDRAS, Puerto Rico 00931

Dorin Ciumasu
Gartenstrasse 2
7332 EISLINGEN-FILS, Germany

Nina Ciumasu
Gartenstrasse 2
7332 EISLINGEN-FILS, Germany

Harry Cohn
Department of Statistics
University of Melbourne
PARKVILLE, Australia

Christian Constanda
Department of Mathematics
University of Strathclyde
26 Richmond Street
GLASGOW, G1 1XH, Scotland

Adrian Constantin
Courant Institute NYU
251 Mercer Street
NEW YORK, NY 10012

Petre Constantin
Department of Mathematics
University of Chicago
CHICAGO, IL 60637

Gregory Constantine
Department of Mathematics
University of Pittsburgh
PITTSBURGH, PA 15260

Corneliu Constantinescu
Mathematisches Seminar
ETH - Zentrum
8092 ZURICH, Switzerland

Florin Constantinescu
Fachbereich Mathematik
Universitat Frankfurt
FRANKFURT/Main
West Germany

Tiberiu Constantinescu
Department of Mathematics
University of Texas at Dallas
RICHARDSON, TX 75083

Constantin Corduneanu
Department of Mathematics
University of Texas at Arlington
ARLINGTON, TX 76019

Aurel Cornea
Fachbereich Mathematik
Katholische Universitat
8078 EICHSTATT, West Germany

Ovidiu & Rodica Costin
Department of Mathematics
Rutgers University
NEW BRUNSWICK, NJ 08903

Teodor Gabriel Crainic
Dept. Sci. Administrative
University of Quebec
MONTREAL, Canada

Elena M. Croitoro
Department of Mathematics
University of Victoria
VICTORIA, B.C. V8W 3P4
Canada

Adolph Cusmariu
8000 Branch Wood Ct.
ELLICOTT CITY, MD 21043

D

Marius Dardalat
Department of Mathematics
Purdue University
WEST LAFAYETTE, IN 47907

Florin David
Department of Mathematics
University of North Carolina
CHAPEL HILL, NC 27599

Horace Dediu
230 North Street
TEWSBURRY, MA 01875

Mihai Dediu
230 North Street
TEWSBURRY, MA 01875

Sofia Dediu
1480 Rockway Avenue
LAKEWOOD, OH 44107

Aristide Deleanu
Department of Mathematics
Syracuse University
SYRACUSE, NY 13210

Emeric Deutsch
Department of Mathematics
Polytechnic Institute of New York
BROOKLYN, NY 11201

Radu Diaconescu
Department of Mathematics
Baruch College (CUNY)
17 Lexington Avenue
NEW YORK, NY 10010

Florin Diacu
Department of Mathematics
University of Victoria
VICTORIA, British Col. V8W 3P4
Canada

Nicolae Dinculeanu
Department of Mathematics
University of Florida
GAINESVILLE, FL 32611

Irinel Dragan
Department of Mathematics
University of Texas at Arlington
ARLINGTON, TX 76019

Valentina Dragan
Mathematics Department
La Trobe University
Bundoora 3083
MELBOURNE, Victoria, Australia

Christina Draghicescu
Department of Mathematics
University of Houston
HOUSTON, TX 77204

Sorin Dragomir
Universita degli Studi Basilicata
via N. Sautro 65
POTENZA, Italy

Andrei Duma
Fachbereich Mathematik
und Informatik
Fernuniversität
5800 HAGEN, West Germany

Stella Dumitrescu
Department of Mathematics
British Columbia Institute
of Technology
3700 Willingham Ave.
BURNABY, B.C. V5G 3H2

E

Elena Eftimiu
Department of Mathematics
University of Missouri
8001 Nat. Bridge
ST. LOUIS, MO 63121

Mordechai Epstein
Department of Mathematics
Tel-Aviv University
RAMAT-AVIV, Tel-Aviv, Israel

Ivan Erdelyi
Department of Mathematics
Temple University
PHILADELPHIA, PA 19112

Mihai Esanu
57 A, rue Jean le Galleu
esc. A, apt. 3
94200 IVRY SUR SEINE, France

F

John T. Fagarasan
1020 W. Pecan Street
BREA, CA 92621

Peter Farkas
130 Sherman Street
SANTA CRUZ, CA 95060

Ion Filotti
40 ter, rue Fabert
75007 PARIS, France

Ciprian Foias
Department of Mathematics
Indiana University
BLOOMINGTON, IN 47405

Ingrid Fotino
685 10th Street
BOULDER, CO 80302

Sorana Froda
Departement de Mathematiques
et Statistique
Université de Québec a Montréal
MONTRÉAL, Canada

G

Razvan Gelca
Department of Mathematics
University of Iowa
IOWA CITY, IA 52242

Costin Ghibu
6225 Bienville
BROSSARD, P.Q.
J4Z 1W9 Canada

Michael Ghil
Department of Atmospheric Science
University of California
LOS ANGELES, CA 90024

Dorin Ghisa
Glendon College
2275 Bayview Avenue
TORONTO M4N 3M6 Canada

Virgil Gligor
Department of Computer Sciences
University of Maryland
COLLEGE PARK, MD 20742

Eric Grinberg
Temple University
PHILADELPHIA, PA 19122

Silviu Guiasu
Department of Mathematics
York University
DOWNSVIEW, Ontario
M3J 1P3 Canada

H

Peter Hammer
Center for Operation Research
Rutgers University
NEW BRUNSWICK, NJ 08093

Theodor Hangan
Department de Mathematiques
Universite de Haute Alpes
MULHOUSE, France

Sergiu Hart
Statistics Department
School of Mathematical Sciences
Tel-Aviv University
69978 TEL-AVIV, Israel

Pia Horowitz
Rh. Ben Eliezer 67/22
52294 RAMAT-GAN, Israel

Ion Hrinca
Department of Mathematics
Ohio University
ATHENS, OH 45701

I

Andrei Iacob
Mathematical Reviews
ANN ARBOR, MI 48107

G. D. Ianculescu
17171 Roscoe Blvd. #250
NORTHRIDGE, CA 91325

Adrian Ionescu
Department of Math and Computer
Science
Texas Lutheran College
SEGUIN, TX 78155-5999

Constantin Ionescu
477 West 132 Street #26
HAWTHORNE, CA 90505

A. Ioinovici
Department of Applied Mathematics
Weizmann Institute of Science
REHOVOT, Israel

Dan Ionescu
170 Lees Ave #403
OTTAWA, Ontario, Canada

Caius Ionescu Tulcea
Department of Mathematics
Northwestern University
EVANSTON, IL 60201

Tudor Ionescu
17 Oak Ridge Road
SUDBURY, MA 01776

Andrei Iordan
Mathématiques
Université de Paris X
NANTERRE, France

George Isac
Department de Mathématiques
Queen's University
KINGSTON, Ontario, Canada

Sorin Istrail
Sandia National Labs
ALBUQUERQUE NM 87185

Vasile Ion Istratescu
Westring 331
2300 KIEL, Germany

Constantin Ivan
Fachbereich 11
Gesamthochschule Duisburg
4100 DUISBURG, Germany

J

Dan Jurca
Department of Mathematics
California State University
HAYWARD, CA 94542

K

Barbu C. Kestenband
200 S. Middle Neck Cl.
GREAT NECK, NY 11021
(N.Y. Institute of Technology)

Sergiu Klainerman
Department of Mathematics
Princeton University
PRINCETON, NJ 08544

Gabi Klarsfeld
59, rue d'Auteuil
75016 PARIS, France

L

Ioan D. Landau
Laboratoire d'Automatique
Institut National Polytechnique
GRENOBLE, France

Alexandru Lascu
Istituto di Matematica
Universita degli Studi
FERRARA, Italy

Aldo Lazar
School of Mathematical Sciences
University of Tel-Aviv
69978 TEL-AVIV, Israel

Marica Lewin
Leon Blum Str., Nr. 46, #30
33855 HAIFA, Israel

Otto Liess
Seminario Matematico
Universita degli Studi
PALERMO, Italia

Genevieve Lopata
31, rue de Coulanges
94370 SUCY EN BRIE, France

Lawrence Lupash
1401 S. Harbor Blvd.
LA HABRA, CA 90631

Liviu R. Lustman
NASA, LRC Mail Stop 409
HAMPTON, VA 23665

George Lusztig
Department of Mathematics
MIT Room 2-276
CAMBRIDGE, MA 02139

M

Matei Machedon
Department of Mathematics
University of Maryland
COLLEGE PARK, MD 20742

Monica Marcus
Weitzman Institute of Science
Clore House, Room 43
76100 REHOVOT, Israel

Dan C. Marinescu
Purdue University
WEST LAFAYETTE, IN 47907

Speranta M. Marcu
Department of Mathematics
University of Illinois
URBANA, IL 61801

Doru Marculescu
64 Tenterden Rd.
DAGENHAM, ESSEX
England

Dan Mateescu
Department of Mechanical Eng.
McGill University
MONTREAL, P.Q., Canada

Magda Mazilu
Hustarding 61
4630 BOCHUM, Germany

Petrisor Mazilu
Hustarding 61
4630 BOCHUM, Germany

David Mendel
Science Dept., Defence Ministry
P. O. Box 2250 (Dept.44)
31021 HAIFA, Israel

Preda Mihailescu
Seminar fur Angewandte Mathematik
ETH - Zentrum
8092 ZURICH, Switzerland

Tatiana Mihnea
16360 W. Mozart Avenue
LOS GATOS, CA 95030

Rita Mirodan
Hadiedaum Alley No. 4, Apt. 11
GILO, JERUSALEM, Israel

Ion Moga
Salzburgerstrasse 3/29
8225 TRAUNREUT
Germany

Sigrid Moga
Salzburgerstrasse 3/29
8225 TRAUNREUT
Germany

Marius Moisescu
Department of Mathematics
Brandeis University
WALTHAM, MA 02254

Dan Moldovan
Department of Computer Science
Southern Methodist University
DALLAS, TX 75275

Elvira Moscovici
Department of Mathematics
Ohio State University
COLUMBUS, Ohio 43210

Henri Moscovici
Department of Mathematics
Ohio State University
COLUMBUS, Ohio 43210

N

Doru Nace
Dynamic Systems
105-29 63rd Road
FOREST HILLS, NY 11375

Adriana Nastase
Lehrgebiet Aerodynamik des Fluges
TH-Vermittlung 801
Templergrabe 55
5100 AACHEN, Germany

Monica Neagoy
1121 Arlington Blvd #343
ARLINGTON, VA 22209

Constantin Negoita
Department of Computer Science
Hunter College (CUNY)
695 Park Avenue
NEW YORK, NY 10021

Marcel Nicolau
Department of Mathematics
Univ. Autonoma de Barcelona
08193 BELLATERRA, Espana

Liviu Nicolaescu
Department of Mathematics
Michigan State University
EAST LANSING, MI 48829

Lilly-Jeanne Nicolescu
Département de Mathématiques
Université de Reims
REIMS, France

Radu Nicolescu
Division of Science & Technology
University of Aukland,
Tamaki Campus
P. B 92019
AUKLAND, New Zealand

Monica Nicolau
Department of Mathematics
University of Illinois
URBANA, IL 61801

Valerian Nita
28857 James Street
WARREN, MI 48092

Viorel Nitica
Department of Mathematics
Penn State University
UNIVERSITY PARK, PA 16802-6401

Stefan Nuta
CAP-Sogeti Tertiaire
26, rue de la Pepiniere
75008 PARIS, France

O

Philip Obreanu
Department of Mathematics
Queen's University
KINGSTON, Ontario, Canada

Adrian Ocneanu
Department of Mathematics
Pennsylvania State University
UNIVERSITY PARK, PA 16802

John F. Oprea
Department of Mathematics
Cleveland State University
CLEVELAND, OHIO 44115

Charles M. Oprian
Department of Mathematics
Western Illinois University
MACOMB, IL 61455

P

Victor Pambuccian
Mountain House School
12, Lake Placid Club Drive
LAKE PLACID, NY 12946

Petru Papadopol
Department of Mathematics
Grand Canyon University
3300 W. Camelback Rd.
PHOENIX, AZ 85017

Ion Paraschivoiu
Departement de Mécanique
Ecole Polytechnique
MONTREAL, P.Q.
H3C 3A7, Canada

Constaantin Parvalescu
9303 Hammerly Blvd. #1202
HOUSTON, TX 77080

Dan Pascali
105-40 62nd Rd., #1P
FOREST HILLS, NY 11375

Larisa Patrascu (Bejenaru)
2126 Tree Lane
KINGWOOD, TX 77334

Cornel Pasnicu
Department of Mathematics
University of Puerto Rico
RIO PIEDRAS Puerto Rico 00931

Gabriel L. Pauliuc
University of Chicago
5734 University Avenue
CHICAGO, IL 60637

Monique Pavel
145 Avenue Malakoff
75116 PARIS, France

Nicolae Pavel
Department of Mathematics
Ohio University
ATHENS, OH 45701

Costel Peligrad
Department of Mathematics
University of Cincinnati
CINCINNATI, OH 45221

Magda Peligrad
Department of Statistics
University of Cincinnati
CINCINNATI, OH 45221

Alexandru Pintilie
7825 Bayview Ave #718
THORNHILL, Ontario
Canada L3T 7N2

Melania Pintilie
7825 Bayview Ave #718
THORNHILL, Ontario
Canada L3T 7N2

Valentin Poenaru
Mathématiques (425)
Université de Paris-Sud
91405 ORSAY Cedex France

Adolph Pollingher
Department of Mathematics
Israel Institute of Technology
HAIFA, Israel

Florin Pop
Department of Mathematics
Dartmouth College
HANOVER, NH 03755

Horia Pop
Department of Mathematics
University of Southern California
LOS ANGELES, CA 90089

Cornelia Popa
2512 Adams Court #158
MICHELL, KY 41017

Sorin Popa
Department of Mathematics
University of California
LOS ANGELES, CA 90024

Gelu Fanica Popescu
Department of Math and Computer Science
University of Texas at San Antonio
SAN ANTONIO, TX 78249-1130

Ilie Popescu
Departement d'Informatique
Universite du Quebec a Hull
C.P. 1250, Succ. B
HULL P.Q. J8X 3X7, Canada

Liana Popescu
Inst. Univ. Technologie
Departement de Génie Electrique
Université de Poitiers
86034 POITIERS, France

Patrick Popescu-Pampu
1, rue de l'Equerre
CROISSY-SUR-SEINE
78290, France
(Lycée Louis le Grand)

Radu Popescu
Departement de Mathematiques
Universite de Tours
37200 TOURS, France

Vasile Mihai Popov
Department of Mathematics
University of Florida
GAINESVILLE, FL 32611

Catalin Pora
407 N. Pennsylvania #604
INDIANAPOLIS, IN 46204

Florian Potra
Department of Mathematics
University of Iowa
IOWA CITY, IA 52242

Mircea Predeleanu
Laboratoire de Mecanique des Solides
Ecole Polytechnique
91128 PALAISEAU, France

R

Alexandru Radu
Ponte de St. Julien 8
1227 CAROUGE, Switzerland

Dan Radulescu
16724 Yukon Ave #2
TORRANCE, CA 90504

Sorin Radulescu
Department of Mathematics
University of Iowa
IOWA CITY, IA 52242

Nicolas Radulesco
Le Victoria
13, Blvd Princesse Charlotte
MONTE CARLO, Monaco

Anca Luminita Ralescu
Department of Mathematics
University of Cincinnati
CINCINNATI, OH 45221

Dan Ralescu
Department of Mathematics
University of Cincinnati
CINCINNATI, OH 45221

Stefan Ralescu
Department of Management
Brown University
PROVIDENCE, RI 02912

Ion Ratiu
347 South Rd #G1
POUGHKEEPSIE, NY 12601

Tudor Ratiu
Department of Mathematics
University of California
SANTA CRUZ, CA 95064

John J. Rau
6432 Via Estrada
ANAHEIM, CA 92807

Nicholas Rau
Department of Economics
University College
LONDON, WCIE 6BT, England

Sandu Rautu
Ben Gurion University
84105 BER SHEVA, Israel

Corina Reischer
Department of Mathematics
University of Quebec
TROIS-RIVIERES, C. P. 500
G9A 5H7, Canada

Adrian Rezus
Department of Computer Science
Katholieke Universiteit
6525 NIJMEGEN, The Netherlands

Moshe Roitman
Department of Mathematics
University of Haifa
MT. CARMEL, Haifa Israel

Gruia Catalin Roman
Department of Computer Science
Washington University
ST LOUIS, MO 63130

Mihail Romanos
Department of Mathematics
Cornell University
ITHACA, NY 14853

Radu Rosca
Avenue Emile Zola 59
PARIS 15-e, France

Elemer Rosinger
Department of Mathematics
University of Pretoria
PRETORIA 0002, South Africa

Eugene Roventa
Computer Science Program
Glendon College
York University
2275 Bayview Avenue
TORONTO, Ontario., Canada

M. Rosenblatt-Roth
School of Business
Seton Hall University
SOUTH ORANGE, NJ 07079

Radu Rosu
Department of Mathematics
Pennsylvania State University
UNIVERSITY PARK, PA 16802

Theodor Rus
Department of Computer Science
University of Iowa
IOWA CITY, Iowa 52242

S

Lila Santean-Kari
Department of Mathematics
University of Turku
TURKU-50, Finland

Florin Sabac
Department of Mathematics
University of S. Carolina
COLUMBIA, SC 29208

Erwin Schechter
Konrad Adenauer Strasse 39
D-6750 KAISERLAUTERN
Germany

Micheline Schechter
Konrad Adenauer Strasse 39
D-6750 KAISERLAUTERN
Germany

Ioana Schiopu-Kratina
Business Survey Methods
Statistics Canada
Jean Talon Building
OTTAWA, Ontario
K1A 0T6, Canada

Dana Schlomiuk
Department of Math. & Statistics
University of Montreal
MONTREAL, P.Q.
H3C 3J7 Canada

Norbert Schlomiuk
Department of Math. & Statistics
University of Montreal
MONTREAL, P.Q.
H3C 3J7 Canada

J. Schoenheim
Department of Mathematics
Tel-Aviv University
69978 TEL-AVIV, Israel

Vlad Sergiescu
U.E.R. Mathematiques
Universite de Lille - I
59655 VILLENEUVE-d'Ascq
France

Iftimie Simion
73-12 35 Ave. # C51
JACKSON HEIGHTS, NY 11372

Claudia-Lidia Simionescu-Badea
Guellenplatz 6-3-1-1
1100 VIENNA, Austria

Dan Simovici
Department of Mathematics
University of Massachusetts
BOSTON, MA 02125

Mariana Slatineanu
21 South Oval
HAMILTON L8S 1P7 Canada

Florentin Smarandache
Mathematics Department
Pima County Community College
TUCSON, AZ 85709

Dan Socolescu
Mathematisches Institut
Universitat Karlsruhe
D-75 KARLSRUHE, Germany

Rodica Socolescu
Mathematisches Institut
Universitat Karlsruhe
KARLSRUHE, Germany

Mircea Sofonea
Mathématiques
Université Blaise Pascal
AUBIERE, France

Liviu Solomon
Laboratoire de Mécanique Théorique
Universite de Poitiers
POITIERS, France

Sender Solomon
Michelangelo 10
TEL AVIV, 68029 Israel

Daniel F. Spulber
Department of Economics
Brown University
PROVIDENCE, RI 02912

Vasile Staicu
Department Matematica
University de Evora
EVORA Cedex, Portugal

Anca Stanescu (Deliu)
Department of Mathematics
Georgia Institute of Technology
ATLANTA, GA 30332

Marius Stoka
Istituto Matematico
Universita degli Studi
TORINO, Italy

Ileana Streinu (Mrs. Borcea)
Department of Mathematics
Smith College
NORTHAMPTON, MA 01063

Alex Suciu
Department of Mathematics
Northeastern University
360 Huntington Avenue
BOSTON, MA 02115-5096

T

Dan Tataru
Department of Mathematics
Northwestern University
EVANSTON, IL 60201

Petre Tautu (M.D.)
Sonderforschungsbereich
Stochastische Modelle
Im Neuenheimer Feld 294
6900 HEIDELBERG, Germany

Constantin Teleman
Department of Mathematics
Stanford University
STANFORD, CA 94305

Nicolae Teleman
Department of Mathematics
SUNY at Stony Brook
STONY BROOK, NY 11794

Silviu Teleman
Department of Mathematics
University of Puerto Rico
RIO PIEDRAS, P.R. 00931

Florian Tent
5041 N. Damen
CHICAGO, IL 60625

Radu Theodorescu
Department of Mathematics
University of Laval
QUEBEC, G1K 7P4, Canada

Nicolae Tipei
1403 East 5th Street
ROYAL OAK, MI 48067

Fabian Todor
Ecole des Hautes Etudes
Commerciales
Universite de Montreal
MONTREAL, P.Q.
H3C 3J7 Canada

Imre Toth
Lehrstuhl fur Allgemeine
Wissenschaftgeschichte
Universitat
Niederleierndorf
REGENSBURG, Germany

Ioana Triandaf
Naval Research Labs
Code 4700.3
4555 Overlook Ave S.W.
WASHINGTON, DC 20375-5000

Victor Trutzer
Department of Mathematics
University of Massachusetts at
Lowell
LOWELL, MA 01854

Maria Christina Turcanu
Department of Mathematics
University of Toronto
100 St. George St.
TORONTO, Ontario, Canada

Venera Turcu de Reyes
Av. Paez c/c Monte Elena
Edf. Atalaya, Piso 1, Ap. 8-C
EL PARAISO, Caracas, Venezuela

Nicolae Tutos
6 Wildwood Lane
BURLINGTON, MA 01803

Lior Tzafriri
Department of Mathematics
Hebrew University
JERUSALEM, Israel

U

C. Unguriano
722 Newton Avenue
MINNEAPOLIS, MN 55411

Sabetai Unguru
Institute for History and
Philosophy of Science
Tel-Aviv University
RAMAT-AVIV, 69978 Israel

V

Lucia Vaina
Intelligent Systems Laboratory
College of Engineering
Boston University
44 Cummington St.
BOSTON, MA 02215

Izu Vaisman
Department of Mathematics
University of Haifa
Mt. Carmel, HAIFA
Israel

Eugene N. Vasilescu
Department of Statistics
Baruch College
46 East 26th Street
NEW YORK, NY 10010

Ileana Vasu
Department of Mathematics
Yale University
NEW HAVEN, CT 06520

Andrei Verona
Department of Mathematics
California State University
LOS ANGELES, CA 90032

Maria Elena Verona
Department of Mathematics
University of California
RIVERSIDE, CA 92521

Victor Vianu
Department Computer Sciences
and Engineering
University of California, San Diego
LA JOLLA, CA 92093

Marina Vidrascu
INRIA-Rocquencourt
Domaine de Voluceau
B. P. 105
7815 LE CHESNAY Cedex, France

Carmen Vlad
18 Midchester Avenue
WHITE PLAINS, NY 10606
(Pace Univ.)

Viorel Vlad
18 Midchester Ave
WHITE PLAINS, NY 10606

Dan Voiculeslcu
Department of Mathematics
University of California
BERKELEY, CA 94720

W

Jack Weinstein
SOFTEL-Adv. Techn. Ltd
60 Medinat Ha Yehudim
P. O. Box 3112
46103 HERZELIYAH, Israel

Z

Dan Zacharia
Department of Mathematics
Syracuse University
SYRACRUSE, NY 13244

Alexander Zaharescu
Department of Math, MIT
77 Massachusetts Ave.
Cambridge, MA 02139-4307

Radu Zaharopol
Department of Mathematics
SUNY at Binghamton
BINGHAMTON, NY 13902

S. Zaidman
Departement de Mathematique et Statistique
Universite de Montreal
MONTREAL, P.Q.
H3C 3J7 Canada

Dan Zamfir
Rehov Bar Kochba 1/2
TEL-AVIV, Israel

Irina Zamfir
Rehov Bar Kochba 1/2
TEL-AVIV, Israel

Maria Zamfir (Bleyberg)
Department of Computer Science
Kansas State University
MANHATTAN, KS 66506

Christina Zamfirescu
Department of Mathematics
Hunter College CUNY
695 Park Avenue
NEW YORK, NY 10021

Tudor Zamfirescu
Abteilung Mathematik
Universitat Dortmund
DORTMUND, Germany

Zoe Zorzor
Richard-Strauss-Strasse 13
8228 FREILASSING, Germany

Laszlo Zsido
Instituto de Matematica
Universita di Roma 1
ROMA, Italy

The following colleagues have changed their affiliation/address or they have recently left Romania, and we do not presently have their exact coordinates:

USA: M. Breban, Josefina Bondoc, Carina Parvulescu, Alexandru Stanculescu, Mark Sturza, Deonisie Trifan, Sandu Crivineanu, Mircea Ghitá, Dan Constantin Radulescu, Nick Nazari (Houston)
Belgium: Radu Badesco
Canada: Stefan Olariu
France: Carmen Ieşan-Maftei
Germany: Stefan Sandor, Christina Hartopeanu-Dobranis
Israel: Enric Goldgahen, Andrei Ney

An ever growing number of young Romanian mathematicians are attending Graduate School in U.S. universities, their status being that of a foreign student. The same fact is true for European universities, where many Romanian students are attending Graduate School and sometimes even undergraduate classes.

LIBERTAS MATHEMATICA,VOL.XVI(1996)

AMERICAN ROMANIAN ACADEMY OF ARTS AND SCIENCE

B Y L A W S

PREAMBLE

This institution shall be known as the American Romanian Academy of Arts and Sciences, duly incorporated in the State of California as a non-profit and tax-exempt organization. It is organized in conformity with the pertinent laws and regulations of the state wherein it is incorporated and the United States of America.

I. Purpose and Character of the Academy

Art. 1. The American Romania Academy of Arts and Sciences (henceforth denominated as ARA or the Academy) is a scholarly institution dedicated to the analysis, study and dissemination of Romanian contributions and accomplishments. To enhance these efforts ARA combines western and Romanian intellectual traditions, encourages communication and exchanges between western and Romanian individuals and institutions and serves as a point d'apui in the western world for Romanian academics and intellectuals.

a. ARA is an institution organized and operated exclusively for scientific, literary and educational purposes, no part of the net earnings of which benefit any private shareholder or individual. No part of its activities is carrying on propaganda, attempting to influence legislation, participating in any political campaign on behalf of any candidate for public office or engaging in any other practice which would disqualify its exemption from taxation as defined in 26 USCS 501(c)3

b. ARA is a democratic institution pursuing its goals by free discussion among it members and electing its officers by secret ballot. ARA only cooperates with other institutions which operate with similar transparency and aspire to similar goals. ARA, nevertheless, is not a political institution and does not as such endorse other organizations.

c. Officers and members are encouraged to engage in political activities and assume political positions as their individual consciences dictate, but no officer or member may engage in political activities or assume political positions using or invoking any past or present ARA title or by using or invoking the name of the Academy in any way whatsoever.

Art. 2. In order to achieve its goals, ARA is determined to preserve its independence and will not be subordinate to other institutions. This does not prescribe ARA from cooperating with and assisting other institutions which share the goals and attitudes enumerated in Art. 1.

Art. 3. The President is the official representative of ARA de

facto and de jure within the powers and restrictions established by these Bylaws.

II. The Members, Their Categories, Admission Procedures, Cessation of Membership.

Art. 4. The membership of ARA will consist of:
a. members,
b. corresponding members,
c. honorary members,
d. benefactors.

Art. 5. Members are elected according to the following criteria:
a. Individuals whose activity in the field of their specialization, supperted by publications or exhibitions, is recognized by their respective academic or intellectual circles, and who have expressed their concern for promoting Romania academic and intellectual life under democratic conditions and free from political pressures.
b. Any member of ARA may recommend to the President in writing with supporting documentation the admission of a new member. The President will consult with a member in a field close to the specialized field of the candidate.
c. If the results of the consultation are favorable, an officer designated by the Secretary General shall inform the members of the Academy in writing with whatever supporting documentation is necessary to enable the members to make an informed decision concerning the academic or intellectual activities of the candidate. This communication will describe the candidate's status in his or her country of residence to establish if the candidate is in a position to undertake lasting membership in the Academy in the democratic, free spirit stipulated in Art. 1.
d. The candidate is elected to membership with a two-thirds vote of the members voting by mail, provided that the total number of ballots cast is equal to a majority of the total number of voting members of the Academy.

Art. 6. Corresponding Members
Qualified persons from Romania and the Republic of Moldova may be elected corresponding membership. The admission of corresponding members follows the procedure described in Art. 5..

Art. 7. Honorary Members.
On the nomination of the President and with the approval of the Executive Committee, persons who have rendered signal service to the Academy or contributed substantially to the realization of the Academy's goals may be appointed honorary members. Honorary members are exempt from the annual fees.

Art. 8. Benefactors
On the nomination of the President and with the approval of the Executive Committee, persons who have offered the Academy substantial support may be appointed benefactors of ARA.

Benefactors may also hold another category of membership for which they are qualified and have been duly elected or appointed.

Art. 9. Loss of membership will ensue when:

a. a member departs from the stipulations of article which determined his or her membership. In this case the President will notify the Executive Committee of this departure and remand the matter to the Grievance Committee for investigation and decision which will be communicated in a report to the President.

b. a member resigns in a written communication addressed to the President, the resignation to become effective with the written acknowledgement of same by the President who will enter the resignation and its acknowledgement in the minutes of the next meeting of the Executive Committee.

c. a member does not pay the annual fees for two consecutive years and the Treasurer has informed the member that automatic forfeiture will ensue. The Treasurer will enter this dereliction and the ensuing correspondence in the minutes of next meeting of the Executive Committee.

d. a member engages in activities inimical to the interests of the Academy. In this case an officer of ARA will address a written report to both the Executive Committee and the Board of Directors, and a majority vote by both bodies is required to expel a member.

e. The provisions of this article apply without deviation to all officers and members in positions of trust within the Academy. If complaint is brought against such individuals, they may provide evidence and testimony in any investigation concerning the complaint, but they are remanded from membership in any body or committee discussing the complaint.

III. Governing Bodies

Art. 10. General Assembly

a. A meeting of the General Assembly will occur at the time of the annual Congress or more often if called into extraordinary session by the President. The President summons the General Assembly by a circular letter addressed to all members at least one month before the meeting date. An agenda for the meeting will be included with this summons. All members of the Academy are encouraged to attend the General Assemblies and participate in the discussions, but decisions will be made by a majority vote of those members defined by Art. 5 of the Bylaws.

b. A General Assembly is duly constituted and a quorum reached if at least half of the members in good standing as defined by Articles 5 and 9 are present in person or represented by written proxy. A written proxy must be sent to the General Secretary two weeks before a scheduled meeting of the General Assembly. If a General Assembly cannot be held for lack of a quorum, with the previous approval of the Executive Committee, the President may request by mail a response to the agenda items from the voting members. The results of this response will be communicated to all members and inserted in the next ARA Newsletter.

c. The General Assembly deliberates on the issues facing the

Academy at that time, discusses and approves the annual report of the President, the minutes of the previous meeting as prepared by the General Secretary and the Treasurer's report including the annual balance sheet of income and expenditure, elects officers and committee members as appropriate and decides on the site of the next Congress and General Assembly.

Art. 11. The Permanent Committees of ARA are: the Executive Committee, the Board of Directors, the Nominating Committee and the Grievance Committee.

Art. 12. The Executive Committee with its Officers Represents the Academy between Meetings of the General Assembly and is composed of seven members: the President, Vice-President, General Secretary, Treasurer and three Counselors.

a. The Executive Committee takes decisions in any matter requiring Academy action between meetings of the General Assembly. The Executive Committee is summoned whenever the President judges necessary, said summons to include an agenda for the meeting. Those members unable to attend my vote on the agenda by mail, but the President may determine that an emergency exists and may then consult members of the committee by whatever means. All decisions of the Executive Committee as well as the voting procedure will be noted in the minutes of the meeting, voted on at the following meeting and published in the next issue of the ARA Newsletter.

b. The President represents ARA, presides over the Congresses and the General Assemblies, approves the programs of the Congresses in consultation with the local organizing committee, supervises the procedures of the election of members, approves all expenditures beyond routine current expenses, summons the General Assemblies annually, informs the membership through the ARA Newsletter concerning the Academy's congresses, publications, membership, and the decisions of the Executive Committee and the Board of Directors. A past President of the Academy may be honored with the title President Emeritus if so nominated in writing by ten or more voting members of the Academy and by a majority vote in the General Assembly.

c. The Vice-President substitutes for the President when necessary and assists the President especially in problems related to the organization and administration of the annual congresses.

d. The General Secretary assists the President in the general administration of the Academy, keeps the minutes of the General Assembly and the Executive Committee, carries out such other tasks as may be assigned by the President.

e. the Treasurer administers the assets of the Academy, under the supervision of the President makes such expenditures as are required by the activities of the Academy, presents a report with balance sheet for the approval of the Executive Committee at each of its meetings and an annual report with balance sheet at the General Assembly for its approval.

f. The three Counselors are assigned tasks by the President in accordance with the needs of the Academy.

Art. 13. The Board of Directors

a. A Board of Directors consisting of 6 voting members of ARA not currently holding other office or committee membership will be elected by the General Assembly.

b. Criteria for election to this Board include the following: a distinguished record of academic or intellectual achievement in their chosen fields, five years of ARA membership, and previous service as an officer or member of a permanent ARA committee. Past and serving ARA Presidents are ex officio, supernumerary voting members of this Board, which will elect a president from among its elected members.

c. The Board of Directors decides on ARA's long-term policies and directions. At the request of the editors of ARA publications, within their areas of competence members of the Board of Directors report on works submitted for publication and provide policy guidance for the publications editors. They also assist when required the local organizing committees for the annual congresses in evaluating proposals for papers

Art. 14. The Nominating Committee will consist of three members elected by the General Assembly. The members of the Committee will elect a Chairperson from amongst themselves. The Committee will inform all ARA voting members through the ARA Newsletter of the deadlines for submitting nominations in accordance with Art. 16.

Art. 15. The Grievance Committee

a. A Grievance Committee will be composed of three members elected by the General Assembly for three year terms. Members may not simultaneously serve on other permanent ARA committees. The President of the Grievance Committee will be its eldest member, but the eldest member may pass this office to another member by agreement among the three members.

b. Any member of ARA may address to the ARA president a written complaint with regard to: violations of the Bylaws, activities inimical to the aims of the Academy, financial irregularities. This complaint with a full, accurate and documented presentation of the facts must be signed by the complainant and notarized by a notary public. The complaint will be treated as a confidential document.

c. The President will expeditiously submit the complaint with its documentation to the Grievance Committee for its investigation. A determination of the facts should be forthcoming from the Grievance Committee not more than 60 days from the ARA President's submission. If the Committee requires an extension, the ARA President may grant such an extension not to exceed 30 days. The determination of the Grievance Committee shall be submitted to the Executive Committee for its decision as to ARA's appropriate action. This decision will be communicated to the complainant by registered letter signed by the Academy's President. The complainant retains the right of appeal to the next meeting of the General Assembly.

Art. 15 All officers and member of the permanent committees herein discussed will be eligible to serve two consecutive terms of

three years. At the conclusion of the six year period they are ineligible to return to the same office or membership before six years additional years have passed. The terms of the President, Vice-President and General Secretary will be staggered in such a way that only one is elected each year. The full terms of the Treasurer and the three Counselors of the Executive Committee will similarly be staggered with no more that two being elected each year. Likewise two members of the Board of Directors and one member each of the Grievance and the Nominating Committees will be elected for a full term each year.

IV. Nominations and Elections

Art. 16. Any three voting members of ARA may nominate any qualified member of ARA for any office, committee or board herein discussed. This nomination signed by the three members must reach the General Secretary at least a month before the annual meeting of the General Assembly.

1. The General Secretary will determine that the nomination conforms to the Bylaws and that the member nominated has been consulted and will serve in the nominated capacity if elected.

2. The General Secretary will prepare a sufficient number of ballots containing the names of all persons nominated. Voting shall take place by secret ballot at the General Assembly by all full members present voting for themselves and for any proxy with which they have been entrusted. If quorum of the General Assembly is not present, the General Secretary will send the ballots to all voting members by mail.

V. Activities of the Academy

Art. 17. As an institution whose responsibilities include promoting Romania studies, the Academy intends to introduce and stimulate knowledge of the cultural values of the Romania nation in international circles, by encouraging research into various areas of the arts, humanities and sciences. Within a contemporary, democratic framework, ARA will undertake appropriate efforts to examine Romania's past and present as well as Romania intellectual and academic accomplishments achieved within Romania and throughout the world.

Art. 18. The Activities of ARA include congresses, publications, exhibits and festivals.

a. Congresses are annual gatherings of a high academic standard in which all members as well as other persons interested in Romania culture may participate and present papers. Papers for congresses will be selected on the basis of abstracts submitted by a stipulated date following the approval of the President in consultation with the Executive Committee and the local organizing committee.

b. ARA publication will consist of: books, periodicals and bulletins. The editorial practices of all ARA publications will

conform to those followed by scholarly societies in the United States. Responsibilities for editing ARA publications will be assigned to an appropriate person ky the Board of Directors.

c. Exhibits are generally organized to coincide with the annual congresses but may also occur separately by decision of the Executive Committee.

d. Festivals are designed to promote and encourage awareness of Romania's contributions to the performing arts. They are generally organized to coincide with the annual congresses but may also occur separately by decision of the Executive Committee.

e. The ARA Research Institute provides specialized assistance to Academy members in the preparation of such activities as are described with this article.. The Board of Directors approves the program of the Research Institute.

VI Financial Matters

Art. 19. The financial resources of the Academy are:

a. the annual fees of the members as established by the General Assembly;

b. Donations and grants made by individuals, foundations or private corporations. Acceptance thereof is subject to the decision of the Executive Committee.

Art. 20. When deemed necessary, the General Assembly will elect for terms of three years a Fund-Raising Committee composed of between five to seven members and representatives of private institutions to assist in the publication of ARA books and periodicals. This Committee will work under the general supervision of the ARA President. The funds raised by this committee are exclusively for meeting the costs of ARA's publication program; although such funds are part of the assets of the Academy, they may not be commingled with any other funds or assets.

VII. Amendment of the Bylaws

Art. 21. Any amendment of the Bylaws falls within the jurisdiction of the General Assembly. The Assembly may only amend the Bylaws by a majority vote of two-thirds of the total voting members present or voting by proxy. The text of all proposed amendments must be included with the letter of convocation and the meeting agenda sent by the Present to all members 30 days before the date set for the General Assemble. This communication will also include a statement by the President confirming that the proposed amendment has been read and approved for vote by the Executive Committee.

a.If the number of voting members present in person or by proxy at a meeting of the General Assembly does not equal the mandatory two-thirds of the voting members required by this article, the General Secretary will mail the proposed amendment to all voting members and request their vote by return mail.

VIII. Provisions for Dissolution

Art. 22. In the event that the purposes of the Academy can no longer by achieved, ARA can be dissolved by a vote of at least two-thirds of the current members of the executive Committee and approved at a special meeting of the General Assembly by a vote of at least two-thirds of all voting members present in person or by proxy. In case of dissolution the entire assets of the Academy shall be transferred to the "Hoover Institution for War, Revolution and Peace" of Palo Alto, California, which has already provided for other important Romanian documents.

Art. 23. The English version of these Bylaws is the only authentic and juridically valid version.

Art. 24. The present Bylaws replace the Academy Bylaws of February 1983.

LIBERTAS MATHEMATICA,VOL.XVI(1996)

O B I T U A R Y

Alexandru Solian (1932 - 1996)

Alexandru Solian was born in Bucharest,Romania,on July 17th,1932,in a family of a medical doctor.He spent the first 46 years of his life in Bucharest,with his family.He lost his father at an early age and was particularly attached to his mother,who passed away a few years before Alexandru left Romania for the United States of America. During the high school years,he has attended classes at the select lyceum "Dimitrie Cantemir",from which he graduated brilliantly in 1950.The same year,Alexandru Solian became a student at the Faculty of Mathematics of the Bucharest University.During the period as a college student,Alexandru enjoyed a solid reputation among his colleagues and teachers.Particularly,he was attracted by the courses in Algebra taught at that time by Professor Dan Barbilian (Pen name,Ion Barbu),and he dedicated himself to the study of Algebra.He kept a fondness and deep admiration for Dan Barbilian,who besides being a mathematician,was also a classical poet in the Romanian literature.I remeber Alexandru reciting whole poems by Ion Barbu,as late as 1984.He graduated in 1954 from the Bucharest University,and has been immediately appointed an Assistant with the Faculty of Mathematics.He remained on this position until 1962,when he was promoted to a position of Lecturer.The same year (1962),Alexandru obtained his Ph.D. degree in Mathematics,with a thesis in Algebra.Two years later,in 1964,Alexandru is promoted to a position of Associate Professor (Conferenţiar).Fourteen years later,in 1978,he was still on that position,despite his distinguished activity in the field of Algebra and two monographs published in Romania and the USA.

In 1978,while participating at the International Congress of Mathematicians held in Helsinki,Finland,Alexandru Solian decided to expatriate himself and seek asylum in the West.He spent several months in Europe (Norway,Germany),lecturing and attending various mathematical events there,and in early 1979 he arrives in the United States. He has found,due to his friends,temporary employment at Cornell University and at the University of Tenessee in Knoxville.In the Fall of 1979,Alexandru occupies a position of Visiting Professor at the University of Alabama in Birmingham,where he remains for two academic years.In the Fall of 1981,Solian obtains a tenure track position of Associate Professor at the University of North Carolina in Charlotte.He is promoted to a position of Full Professor in 1985,with tenure,this being the last position he has occupied in his career.Ten and a half years later,on December 29th 1995,Alexandru is victim of a stroke.He has never regained conciousness,and exactly one month later,on January 29th 1996,Alexandru ceased his fight with the death.He has been accompanied on his last earthly journey by his colleagues from the Department of Mathematics at

The University of North Carolina in Charlotte,and very few friends who came from afar. Alexandru Solian has had a fruitful mathematical career.He attended and presented papers at various international meetings dedicated to mathematical topics:The Fourth Congress of Romanian Mathematicians,held in Bucharest in May 1956;The International Congress of Mathematicians held in Moscow in August 1966;The International Congress of Mathematicians held in Helsinki in August 1978;Category Theory Conference held in Montreal in October 1990;International Category Theory Meeting held in Dalhousie University,Halifax,Nova Scotia,Canada,1995.He has been invited to lecture in several European and American Universities.We mention here Prague,Budapest,Mannheim,Dusseldorf, Cornell,Rutgers,Cleveland State,North Carolina at Wilmington.

The main interest of Alexandru Solian in research work has been directed towards the Category Theory.He has published a monograph (translated also in English) in the Publishing House of the Romanian Academy,in 1972.Another book he has published deals with Cohomology Groups.

Those of us who knew Alexandru Solian will remember him as a very polite person,one may say somewhat shy,with a taste for good humour and broad intellectual preoccupations.He was very amiable and of very good character.He admired and respected his professors, and occasionally pointed out a critical feature.Apparently,he is not survived by any close relative.His funeral was held in accordance with the Eastern Orthodox rite and his grave is in Charlotte cemetery.

*

* *

PUBLICATIONS LIST OF ALEXANDRU SOLIAN

a. Mathematical Papers

1.On n-divisibility in Groups (Roamuian),Bul.St. Acad. R.P.R.,St.Mat. Fiz.,vol. VII, 1955,pp. 255-272.
German translation:Uber die n-Voostandigkeit in Gruppen.Revue Roumaine Math. Pures et Appl.,vol.I,1956,pp.5 - 22.

2.Sur le prolongement des extensions dans le cas des groupes Abeliens.Proc. Vth Congress of Romanian mathematicians,1956,pp.35-36.

3.Abstract Group and Transformation Group.Bull.Math.Soc.,Soc. Sci.Math. Phys.R.P.R. t. 3(53),1959,pp.489-498.

4. Semi-topology of Transformation Groups, Proc. of the 1st Symposium on General Topology and its Applications to Modern Analysis and Algebra, held in Prague in 1961, pp. 337-340. Expanded Romanian version in An. Univ. Bucuresti, Mat.-fi., Vol. XI, 1962, pp. 195-203.
5. Equivalence Relations and Transformation Groups (in Romanian), Abstract of the doctoral Dissertation (Thesis), Univ. of Bucharest, 1961.
6. Le treillis des relations d'équivalence dans un ensemble et le treillis des sous-groupes d'un groupe de transformations du même ensemble. Bull. Math. Soc. Sci. Math. Phys. R.P.R., Vol. 7(55), 1963, pp. 51-59.
7. Compactness in the Semi-Topology of Transformation Groups (in Romanian), Com. Acad. R.P.R., Vol. XIII, 1963, pp. 113-116.
8. A Canonical Decomposition of Additive Functors of Modules, Rendiconti Accad. Naz. dei Lincei, Serie VIII, Vol. XXXVI, 1964, pp. 129-135.
9. Théorie des transi-groupes. I. Relations d'équivalence et sous-groupes associés, Revue Roumaine de Math. pures et appl., Vol. IX, 1964, pp. 211-228.
10. Théorie des transi-groupes. II. Définitions fondamentales et théorèmes d'isomorphisme, Revue Roumaine de Math. pures et appl., Vol. IX, 1964, pp. 677-695.
11. Théorie des transi-groupes. III. Produit direct, produit libre, holomorphe, Revue Roumaine de Math. pures et appl., Vol. IX, 1964, pp. 949-969.
12. Foncteurs qui conservent les épimorphismes locaux, C.R. Acad. Sc. Paris, Vol. 259, Groupe 1, 1964, pp. 1376-1379.
13. On the Extension of Transi-groups, Czechoslovak Math. J., Vol. 15(90), 1965, pp. 30-36.
14. Théories des transi-groupes. IV. Transi-groupe et groupe, Revue Roumaine de Math. pures et appl., Vol. X, 1965, pp. 459-469.
15. Characterization of some Functors of Modules, Revue Roumaine de Math. pures et appl., Vol. XI, 1966, pp. 283-285.
16. Foncteurs qui transforment les épimorphismes locaux en monomorphismes locaux, Revue Roumaine de Math. pures et appl., Vol. XI, 1966, pp. 401-410.
17. Faisceaux sur un groupe abélien, C.R. Acad. Sc. Paris, Vol. 263, Série A, 1966, pp. 754-757.
18. Continuity of Mappings and Normality of Subgroups, Math. Nachrichten, Vol. 33, 1967, pp. 313-314.
19. Groups of Sections, Revue Roumaine de Math. pures et appl., Vol. XIII, 1968, pp. 563-569.
20. Faisceaux sur un groupe abélien. I. Catégorie des sous-ensembles additifs et préfaisceau des sections, Revue Roumaine de Math. pures et appl., Vol. XIV, 1969, pp. 71-79.
21. Faisceaux sur un groupe abélien. II. Caractérisation des faisceaux, Revue Roumaine de Math. pures et appl., Vol. XIV, 1969, pp. 81-92.
22. Faisceaux sur un groupe abélien. III. Application à la théorie des extensions des groupes, Revue Roumaine de Math. pures et appl., Vol. XIV, 1969, pp. 93-104.
23. Groupe dans une catégorie, C.R. Acad. Sc. Paris, Vol. 275, Série A, 1972, pp. 155-158.
24. On the Continuation of Group Extensions, Revue Roumaine de Math. pures et appl., Vol. XXIII, 1978, pp. 279-284.
25. Coherence in Categorical Groups, Communications in Algebra, Vol. 9 (10), 1981, pp. 1039-1057. Abstract (preliminary report) in Abstracts A.M.S., Vol. 1, No. 2, Feb. 1980, Issue 2, p. 219, #80T-A66.
26. Quotient Categories and Quotient Monoidal Categories, Preliminary report, Abstracts A.M.S., Vol. 2, No. 4, June 1981, Issue 11, p. 402, #81T-18-340.

27. PICARD Group and Categorical Groups, Preliminary report, Abstracts A.M.S., Vol. 3, No. 1, Jan. 1982, Issue 15, p. 35, #792-18-320.
28. Coherence and Relative Adjoints, Preliminary report, Abstracts A.M.S., Vol. 3, No. 5, Aug. 1982, Issue 19, p. 392, #82T-18-412. Expanded version in preprint form.
29. A Categorical Picard Group, Preliminary report, Abstracts A.M.S., Vol. 4, No. 1, Jan. 1983, Issue 22, p. 42, #801-18-162.
30. The Construction of Free Categorical Monoids and Groups, Abstracts A.M.S., Vol. 5, No. 1, Jan. 1984, Issue 29, pp. 33-34, #809-18-139.
31. Catégories quotient et la construction des groupes et des monoï des catégoriels libres, Ann. des Sc. Math. du Québec, Vol. 8, 1984, pp. 197-222.
32. (with David C. Royster) Cocycles and Coherence of Associativity, Preliminary report, Abstracts A.M.S., Vol. 5, No. 4, June 1984, Issue 32, pp. 273-274, #84T-18-297. Expanded version in preprint form.
33. A Categorical Analogue of $\mathbf{Z}_n$, Ann. des Sc. Math. du Québec, Vol. 9, 1985, pp. 203-219. Abstract in Abstracts A.M.S., Vol. 6, No. 1, Jan. 1985, Issue 36, p. 32, #816-18-105.
34. Coequalizers and pre-natural isomorphisms, Preliminary report, Abstracts A.M.S., Vol. 7, No. 1, Jan. 1986, Issue 42, p. 35, #825-18-358.
35. (with T.M. Viswanathan) Heyting Algebras and Commutative Rings, Preliminary report, Abstracts A.M.S., Vol. 7, No. 5, Oct. 1986, Issue 46, p. 322, #829-13-47.
36. (with T.M. Viswanathan) A Representation Theorem for a Class of Heyting Algebras, Abstracts A.M.S., Vol. 8, No. 1, Jan. 1987, Issue 48, p. 15, #831-06-272.
37. (with T.M. Viswanathan) Hochster's Theorem, Coherent Locales, and Lattices of Radical Ideals, Communications in Algebra, Vol. 16(12), 1988, pp. 2625-2648.
38. (with T.M. Viswanathan) A Generalization of Freyd's Adjoint Functor Theorem, Abstracts A.M.S., Vol. 9, No. 1, Jan. 1988, Issue 55, p. 40, #839-18-363.
39. (with T.M. Viswanathan) Some properties of pluri-adjoints, Abstracts A.M.S., Vol. 10, No. 1 Jan. 1989, Issue 61, pp. 33-34, #847-18-405.
40. (with T.M. Viswanathan) Pluri-Adjoints and Preservation of Finite Limits, J. of Pure and Appl. Algebra, Vol. 65, 1990, pp. 69-90.
41. (with T.M. Viswanathan) Colimits of Hom-sets and Pluri-representable Functors, Bull. de la Sociéte Math. de Belgique, Vol. 44, No. 2, Série B, 1992, pp. 147-163.
42. (with T.M. Viswanathan) Pluri-representable functors, Abstracts A.M.S., Vol. 12, No. 1, Jan. 1991, Issue 73, p. 60, #863-18-318.
43. (with T.M. Viswanathan) Adjoints, Multi-adjoints, Pluri-adjoints, Bull. of the Belgian Math. Soc. - Simon Stevin, Vol. 2, No. 3, May 1995, pp. 259-264.

b. Books

1. ``Theory of Modules (Module Categories)" (in Romanian), Edit. Academiei, Bucharest, 1972 403 pages.
2. ``Theory of Modules (An Introduction to the Theory of Module Categories)," John Wiley & Sons, London, New York, Sydney, and Edit. Academiei, Bucharest, 1977, xii + 399 pages. (Revised translation of 1.)
3. ``Cohomology of Groups" (in Romanian), Edit. Academiei, Bucharest, 1977, xiv + 273 pages.

LIBERTAS MATHEMATICA,VOL.XVI(1996)

From the Bookshelves

VASILE DRAGAN,ARISTIDE HALANAY:Stabizability of Linear Systems.ALL Pres,Bucharest, Romania (in Romanian),1994,pp.X + 257.

This book is divided in six chapters.Chapter I,Introduction,deals with the definition of the stabilizability concept,surveys various kinds of stability and provides the stability theorem in the first approximation (the case of constant coefficients). Chapter II is dedicated to the general theory of stabilizability of linear systems. It discusses controllability,stabilizability,observability and contains such topics as Estimators,Liapunov Equations,optimal stbilizability,performance evaluation for a stabilizing feeddback.Chapter III treats the stabilizability problem for linear systems with several time scales.The IVth Chapter is devoted to the stabilizability of linear systems by means of reactions with large amplification.Chapter V deals with "adaptive stabilization".Among other items,an algorithm of adaptive identification is provided.Chapter VI is entitled "Discrete implementation of stabilizabilizability procedures.Various topics discussed in preceding chapters are now considered in relationship with the numerical solution.The references list contains 43 items and names like R.Kalman,M.L.J.Hautus,P.V.Kokotovic,V.M.Popov,V.A.Yakubovitch are present.The exposition is partly based on the common work done by the authors and some of their coworkers during the last 10-12 years.This book is of great interest for people in Applied Mathematics,with special orientation towards control problems,and for researcherss in Engineering Control.

C.CORDUNEANU (Editor):Qualitative Problems for Differential Equations and Control Theory.World Scientific,Singapore,1995,pp. XVI + 326.

This volume contains 30 papers concerned with the subject mentioned in the title and is dedicated to Professor Aristide Halanay,Emeritus,from Bucharest University, in occasion of his 70th Birthday.The theme of the volume reflects accurately the topics in which Halanay has made a contribution during his career that extends on more than 40 years.The following chapters constitute this volume:Chapter I deals with Stability Theory (5 papers);Chapter II is concerned with Generalized Differential Equations (4 papers);Chapter III contains 3 papers on Integral and Integrodifferential Equations;Chapter IV,occupying almost one thirs of the volume is dedicated to Control Theory;Chapter V contains 5 papers concerned with Partial Differential Equations;Chapter VI,entitled "Staochastic Dynamics" contains 3 papers;Chapter VII, the last,is devoted to "Discrete Systems".There are about 40 authors/coauthors in this volume,most of them from Romania.A number of 17 authors are from the United States,Belgium,Hungary,India,Finland.All of the authors wanted to pay tribute to

Aristide Halanay for his acievements in the Qualitative Theory of Differential Equations and the Control Theory.Several Romanian contributors are part of the Seminar started by Halanay in 1952,still active in Bucarest.

MASSIMO FURI (Editor):Ordinary Differential Equations and their Applications (On the occasion of the 70th birthday of Roberto Conti and Gaetano Villari),Firenze,1995. This volume contains the invited lectures given by 8 participants at the International Meeting organized at the University of Firenze,from September 20 to September 24 , 1993 , in honor of Roberto Conti and Gaetano Villari.The authors and titles of these plenary lectures are:JEAN MAWHIN,Nonlinear Boundary value problems and periodic solutions of ordinary differential eqations (The Italian legacy); KENNETH COOKE,Two problems on differential-delay equations;FELIX ALBRECHT,Polynomial Lienard equations and Hilbert's 16-th problem;C.CORDUNEANU:Functional Differential Equations with Abstract Volterra Operators and their Control;JACK HALE and WENZHANG HUANG,Flow on center manifolds for FDE and applications;LAWRENCE MARKUS,Concepts and problems for hybrid control systems;CZESLAW OLECH,On Markus-Yamabe stability conjecture.The meeting was attended by almost 200 participants,representing almost all countries in the world were differential equations are cultivated.A list of all participants,with their addresses,is attached to this interesting volume.

SAMUEL ZAIDMAN:Topics in Abstract Differential equations.Pitman Research Notes in Mathematics Series,vol.304,Longman Sci.&Technical,1994;Part II of the volume,Ibidem, vol.321,1995.
In these volumes the author presents several results concerning differential equations in abstract spaces (Banach or Hilbert).The treatment of the subject is based on several papers of the author and includes the following main topics:The Abstract Cauchy Problem for differential equations of singular type;Uniqueness of bounded solutions on the real line;The Abstract Cauchy Problem for regular Differential Equations;Almost Periodic Solutions,Periodic Solutions,asymptotically almost periodic and almost automorphic solutions;Local Existence Result for a Non-homogeneous Sobolev Equation;Regularity and regularization of Weak and Ultraweak Solutions.A special feature of the book consists in the fact that it is the result of putting together several journal papers by the author in a rather random way.Nevertheless,there are certain logical connections between various paper,even though these papers are independent of each other.In the second volume,which is also almost entirely based on author's research,the following topics are considered for investigation:Almost Periodic Solutions (quite a long discussion);Bounded Solutions and Optimal Bounded Solutions;Well-posed and Uniformly Well-posed Cauchy Problems;Related Semigroups of Linear of Operators;Regularity and Regularization of Ultraweak Solutions;Uniqueness of

the Abstract Ultraweak Cauchy Problem;Lower Bounds for Strong and for (Ultra)weak Solutions;Convexity Properties of Solutions;Almost Automorphic Solutions.
These two volumes are of interest for persons working in the fields of qualitative theory of differential equations,for those who are interested in the study of global (non-local) problems.In some sense,these volumes can be considered as natural extensions of the preceding books by the same author,in which similar problems have been investigated under different hypotheses.

ARISTIDE HALANAY and VLAD IONESCU:Time-Varying Discrete Linear Systems (Input-Otput Operators;Ricatti Equations;Disturbance Attenuation).Birkhauser,Basel,Boston,Berlin, 1994,pp. 228.
Chapter 0 of this book provides the general motivation for the investigation of Discrete Processes in Control Systems Theory.Chapter I is entitled "Evolutions and related basic notions".It deals with evolution operators,stability and dichotomies, Liapunov's equation,controllability,observability,stabilizability,detectability and stresses on exponential stability.Chapter II,"Nodes",studies input-output operators for linear systems,provides the definition of the node (a certain linear operator), Hankel and Toeplitz type operators,Nehari problem.In Chapter III the focus is on the Riccati equation,provides a Popov-Yakubovitch type result,deals with positivity and factorization,compensators,small gain theorem,optimization in the ^{2}-space and extended Nehari problem.In the Chapter IV the authors study the "Disturbance Attenuation" and concentrate on Kalman-Szego-Popov-Yakubovitch systems.Connections with the theory of games are emphasized.Various generalizations of the basic concepts defined here are discussed.Two more sections are added to conclude the volume and offer to the readers some auxiliary concepts and results.Appendix A discusses "Discrete-time stochastic control",with emphasis on the discrete Riccati equation and optimal compensator under disturbances.Appendix B deals with "Almost periodic discrete-time systems",presenting the standard theory of almost periodic sequences,as well as the Besicovitch almost periodicity in discrete version.Bochner characterization of almost periodic functions is also discussed in this framework.
This book is addressed to specialists in Control Theory,and likely is one of the most updated sources on the subject.As a pioneering work in this field one may mention the well-known book of J.P.LaSalle (The Stability and Control of Discrete Processes",Springer,1981),which is in the list of references (60 items).Even though it is aimed to be self-contained,the knowledge of Linear Algebra and basic Functional Analysis is desirable.

LIBERTAS MATHEMATICA,VOL.XVI(1996)

The ARA Twentieth Annual Congress at Reno

The XX-th Annual ARA Congress was held at the University of Nevada at Reno,from 22-27 of August,1995.The local organizer of the Congress was Dr. Monica Grecu,with the Department of English at that university.This Congress has marked the XX-th Anniversary of ARA,which has been founded at Berkeley,California,in 1975.Ever since,the ARA has managed to hold the annual meeting of its members.

The general theme of this congress was "Romanian World through Western Eyes".More than 150 participants have attended,and for the first time a considerable number of attendees came from Romania and Moldova (about 60).It is encouraging that at least 15 Romanian companies have supported the participants coming from Romania.

The Opening Session of the Congress took place on August 23rd,at 10:00 a.m.,in the Auditorium of the Ansari Business Bldg.After the welcoming remarks from the part of local organizer and the President,dr.Maria Manoliu manea,the participants listened to the keynote speakers,Prof. George Emil Palade,from the University of San Diego,a Nobel Laureate and Honorary Member of ARA,and Prof. Thomas Pavel from Princeton University.In the afternoon,the plenary session continued with a presentation by Liviu Floda,"Evoking the Historical Event - August 23,1944 - through Recorded Voices of Romanian Contributors".Besides the numerous sessions dedicated to various fields of Arts and Sciences,there have been several exhibits such as the "Carpet Exhibit",""Book Exhibit",several Symposia,as the one dedicated to the Transylvanian revolutionary figure of Avram Iancu (a bust of Avram Iancu,donated by the Romanian Embassy,has been placed in one of the university halls),round tables on Political or Economic issues concerning Romania.An excursion has been organized at the end of the meeting, in which many participants took part,to visit the Lake Tahoe and its surroundings.

As usual in such occasions,a Banquet has been held and ARA Awards for 1995 have been announced by the President.In Mathematics,dr. Adrian Ocneanu from Pennsylvania State University has been honored.

There have been several sessions dedicated to Mathematical Subjects,or mixed sessions in Science and Techology,with mathematical presentations.This is a brief survey of the Mathematical Papers presented at the Reno Congress.

Fabian Todor (University of Montreal):Sur des resultats analytiques obtenus par l'application des fonctions gamma and beta dans certaines classes de distributions;Horia-Teodor Dumitrescu (Institutul de Matematica Aplicata al Academiei,Bucuresti):Comparative study of turbulence models for prediction of transitional boundary layers;Titus Petrila (Universitatea Babes-Bolyai,Cluj-Napoca):An almost explicit algorithm for non-stationary viscous incompressible flows;Alexandru Dumitrache (Institutul de Matematica Aplicata al Academiei,Bucuresti):A numerical procedure for calculating the natural

convection in an enclosed cavity;Vladimir Cardos (Institutul de Matematica Aplicata al Academiei,Bucuresti):Computation of unsteady aerodynamic loads on wind turbines blades;Constantin Corduneanu (The University of Texas at Arlington):Libertas Mathematica:A brief survey after 15 years of publication;Adriana Nastase (RWTH,Aachen): Three-dimensional compressible boundary layer with application in Aerodynamics.
Several papers with mathematical content have been announced,but the autors did not attend the meeting.
The last day of the Congress,the General Assembly proceeded to the adoption of the new Bylaws of ARA,and to the election of new officers.The text of the new Bylaws are inserted in this volume (pp. 167-174).The list of the new officers is as follows: Constantin Corduneanu (President);Ladis Kristof (Vice-President);Basarab Nicolescu (Vice-President for Europe);Adrian Bejan (Counselor);Peter Gross (Secretary General); Ernest Latham (Secretary);Olga Porumbaru (Counselor);Monica Grecu (Counselor);Dinu C. Giurescu (Counselor);Miron Bonca (Treasurer).Ion Manea has been also elected Counselor. He passed away in October 1995 and no substitute has been elected.
Besides of the Executive Committee mentioned above,ARA has a Board of Governors or Directors.The members of this body are:Emil Palade,Thomas Pavel,Ion Paraschivoiu, Alphonse Juilland,Monsignor Octavian Barlea (former President and founder of ARA), Maria Manoliu Manea (past President of ARA).Nicolae Timiras,also a past President of ARA was "Ex Officio" a member of the board.He passed away in January 1996.

*
* *

We have recently received the news concerning the death of Professor MARTIN JURCHESCU with the University of Bucharest.
Martin Jurchescu was a student of Simion Stoilov at the Bucharest University.He has continued the work in the group of scholars formed by Stoilov,being mainly concerned with topics in Complex Analysis.He is the author of a large number of journal papers and monographs,sometimes jointly with young mathematicians whom he advised.
Martin Jurchescu is deeply regreted by his colleagues in Romania and Romanian Diaspora,by his friends and family.We convey our sincere condoleances to his family in Romania.

A D R I A N A N A S T A S E

the Head of the Department "Lehr-und Forschungsgebiet Aerodynamik des Fluges" from the Rheinisch-Westfalische Technische-Hochschule in Aachen,Germany,has been awarded the honorary degree of

"D O C T O R H O N O R I S C A U S A"

by the University "Polytechnica" in Bucharest,Romania,on October 3 , 1995.

Dr.Adriana Nastase was born in the city of Galaţi,Romania,in a family of College Professors.She went for undergraduate studies at the University "Politechnica" of Bucharest,and simultaneously at the Faculty of Mathematics and Mechanics of the University of Bucharest.She graduated from both schools,in 1956 and 1957,becoming then a Researcher at the Fluid Mechanics Institute of the Romanian Academy of Sciences.The Head of the Institute,at that time,was the well known Aerodynamicist Elie Carafoli - a former President of the International Society of Astronautics.She was one of the closest collaborators of Carafoli,and they have jointly published research papers and books.Dr. Nastase has obtained her Ph.D. degree in Engineering in 1968,with a thesis entitled "Optimum Aerodynamic Shapes by Means of the Variational Method".With the support of another well known Romanian Aerodynamicist,Henri Coanda,a post-doctoral felloship in France (1969),at the "Office National d'Etudes et de Recherches Aerospatiales".in Paris.She has prepared another doctorate while in France,and in 1970 she obtained the title of "Docteur de l'Universite de Paris en Sorbonne",with the distinction "Tres Honorable".The committee was headed by Prof. Henry Cabannes.In 1973 Dr. Nastase has been awarded a research grant by the "Deutsche Forschungs-und Versuchanstalt fur Luft-und Raumfahrt".

Besides her membership with the Fluid Mechanics Institute of the Romanian Academy,Dr. Nastase has been also associated as an Assistant or Associate Professor with the University "Politechnica" of Bucharest (1957-1973).In 1973 she has joined the Mechanical Engineering Department at the RWTH in Aachen,where she has been appointed a Professor in 1975.She is still occupying this position.

The research activity deployed by Dr. Adriana Nastase is summarized in over 100 publication in the fie;ds of Fluid Dynamics and Aerodynamics.A book for which Dr. Nastase is a co-author,jointly with Elie Carafoli and Dan Mateescu (now at McGill University in Montreal),entitled "Wing Theory in Supersonic Flow" (Pergamon Press,1969), has become one of the most oftenly used reference by the specialists.Several other books have been authored by Dr. Nastase,and one of the most recent is "Computation of Supersonic Flow",Aachen , 1995.Dr. Nastase has organized several editions of the meeting "High Speed Aerodynamics" and published the Proceedings (Libertas Mathematica

has inserted in past volumes short reviews of these Proceedings).The main topics on which Dr. Nastase has concentrated in her research work are the following:Determination of solutions for certain three-dimensional boundary value problems for hyperbolic partial differential equations,with applications to the computation of the flow around the flying configuration in supersonic flow;Optimization of aerodynamic shape with given plane projection,by the variational method;Formulation of Variational principle with free boundaries,called Optimum-Optimorum theory,with application to the global optimization of the shape of the flying configuration;Elaboration of an Optimum-Optimorum iterative theory for viscous optimization;Qualitative analysis and methodes for solving the second degree algebraic systems with analytical limitators; Three-dimensional computer visualization of the pressure,lift,pitching moment and drag surfaces,and of the polar surface versus the angle and the cruising Mach number. Dr. Nastase was invited to participate,and she did,at over 100 professional meetings at which she presented results of her work and of her collaborators.She was on the program of many conferences in the USA,Germany,Fngland,Jaoan,Israel,Australia,Hong Kong,Yougoslavia and Romania.At several meetings she attended she was invited to present invited lectures.

The festive event of awarding to Dr. Adriana Nastase the title of "Doctor Honoris Causa" by the University "Politecnica" of Bucharest took place on October 3 , 1995. In that occasion,Dr. Nastase presented a festive lecture entitled "Viscous and Inviscid Optimal Design of Flying Configurations".

The Diploma presented to Dr. Adriana Nastase is endorsed by the President (Rector) of the University "Politechnica" in Bucharest,Professor Doctor in Engineering Sciences,Gheorghe Zgura.

The colleagues of Dr.Nastase,in Diaspora,congratulate her on the occasion of this Award,and express their wishes for a continuing fruitful professional activity.

Dr. Adriana Nastase is a member of the American Romanian Academy of Arts and Sciences.She is particpating at the annual meetings of ARA,presenting papers.This volume is mentioning her particiaption and the title of her talk at the Reno Congress.

D I M I T R I E D. S T A N C U

Professor of Mathematics at the University "Babeş-Bolyai" of Cluj-Napoca,Romania,has been awarded the honorary degree of

"D O C T O R H O N O R I S C A U S A"

by the University "Lucian Blaga" from Sibiu,Romania,on December 14 , 1995.

Dr. Dimitrie D. Stancu was born in 1927 in the township of Călacea,Timiş District,Romania,in a farmer's family.His life was very difficult during the first years,and for a while he found shelter in the orphanage "Regina Maria" in the city of Arad.With help from his Mathematics teachers (he names particularly Hortensia Roscau and Ascaniu Crişan),he suceeded to attend High School in Arad,at the prestigious Lyceum "Moise Nicoara".From 1947 to 1951,Dr. Stancu attended courses at the University of Cluj-Napoca,from which institution he graduated in 1951.During his studies at the University of Cluj-Napoca,where he was mostly under the influence of Prof. Tiberiu Popoviciu - the father of Numerical Analysis in Romania - Dr. Stancu directed his attention towards the field of his Master and Supervising Professor , Numerical Analysis.He has obtained his Ph.D. degree in Mathematics from the University of Cluj-Napoca,being strongly attached to this school all during his career.He benefited from a felloship at the University of Wisconsin at Madison,where he spent the academic year 1961-1962. Dr. Stancu has participated in different events in the USA,among them an International Conference in Gatlinburg,Tennessee (1963).Professor Stancu has taught many courses at the University of Cluj-Napoca,his fields of expertise covering such areas as Mathematical Analysis,Numerical Analysis,Approximation Theory,Probability Theory,the Con - structive Theory of Functions.In particular,he has been concerned with the use of probabilistic methods in the Theory of Functions.

Dr. Stancu had a large number of doctoral students,about 35,most of them occupying now positions in the Romanian colleges and universities.

Besides the United States,where Dr. Stancu came at an early stage of his career and scientific formation,he has participated in many scientific events in Germany (Stuttgart,Hannover,Hamburg,Goettingen,Dortmund,Munster,Siegen,Wurzburg,Berlin,Oberwolfach), Italy (Roma,Napoli,Potenza,l'Aquila),England (Durham,Lancaster),a.o.

His publication lists contains more than 100 items and distinguished mathematicians have quoted Dr. Stancu's work:USA (W.Gautschi,G.Birkhoff,A.H.Stroud);Germany (I.Meir, G,Mulbach,G.Felbecker,H.H.Gonska);Italy (M.R.Occorsio,L.Gori,B.Della Vecchia,G.Mastroiani,M.Compiti,A.D.Lorenzo),Czech Republic (I.Khorova,M.Budikova);China (Chen Weng Zhong,Tian Ji Shan,Ren Hong Wanq).

The main contributions in research work of Dr. D.D.Stancu are related to the following domains:Approximation and Interpolation of Functions of One or Several Variables;Numerical Integration and Differentiation of Functions;Approximation Formulae with High Degree of Accuracy;Probabilistic Methods for the Construction and the Investigation of Linear Positive Operators of Approximation;Approximation Operators of Type Spline;The investigation of the Remainder in the Approximation Formulae of the Analysis;Application of Numerical Methods.

In the year 1968,Dr. Stancu has obtained one of the Research Awards of the Department of Education in Bucharest,for his work in Numerical Analysis.

His expertose in the fields of Numerical Analysis has brought him recognition in his country and abroad.He is on the editorial board of the journals "Revue d"Analyse Numerique et de la Theorie de l'Approximation" and "Studia Universitatis Babeş-Bolyai", Series Mathematics.He is also on the editorial board of the Italian journal on Numerical Analysis "Calcolo".

Dr. Stancu is a member of several learned societis,including the American Mathematical Society and the Romanian Mathematical Society.

A quotation from the "Laudatium" written by Professor Gh. Micula from the same group of numerical analysts at the University of Cluj-Napoca: "All of us who know Professor D.D.Stancu keep him in high esteem,for his nobilty as a Master,for the dignity he has shown in serving the Mathematical Science,the University of Cluj-Napoca,for his generosity and his toil in training several generations of young mathematicians,for his honesty and abnegation".

Those of us in the Romanian Mathematical Diaspora,we join our collegues from Romania in congratulating Dr. D.D.Stancu for his achievements of a life time in the field of Mathematics.He will be 70 years old in a few months from the time these lines are written,and according to the laws in Romania he will become an Emeritus Professor.

Professor D.Stancu and his wife have two daughters.Both of them are teaching Mathematics in the schools of Cluj-Napoca.

Just a few months ago,Dr. D.Stancu and his colleagues have organized,in conjonction with the IInd European Congress of Mathematics,an International Conference dedicated to Approximation and Optimization,in Cluj-Napoca.

MATHEMATICAL JOURNALS RECEIVED FROM ROMANIA

The Editor of Libertas Mathematica has recently received from Romania several publications with mathematical contents.These are periodic publications addressed to various groups of readers.We are presenting these publications to the readers with great pleasure.

A.Caiet de Informare Matematica,Anul XVII,No. 34 , December 1995.

This publication is edited and published by LiceulTeoretic "Nicolae Grigorescu" in Campina.This industrail city is located North of Bucharest,at about 80 Km. It has also valuable intellectual traditions.

There are two issues per volume/year. This issues,like the others,contains a good amount of information about the "mathematical life" in this small community.The publication is attracting collaborators from all around the country (both teachers and students).The editorial board includes Professor Nicolae Teodorescu,a member of the Romanian Academy and President of the Romanian Mathematical Society.He is almost a nonaagerian,and it provides great satisfaction to see him involved in the mathematical business around the country.The publication of this issue of the Caiet (Notebook) has been made possible with the support of Mr. Tudose Barbu - a High School Teacher in Izbiceni,Olt district,and of Mr. Florentin Smarandache from Tucson Arizona (Pima County Community College).The section of the issue dedicated to History of Mathematics contains the pictures and short CV's of the late Octav Mayer, a former Professor at the Universities of Cernauti and Iasi (1895-1966),of Professor Solomon Marcus,Emeritus,with the Bucharest University (his 70th Anniversary),and those of Mr. Florentin Smarandache,with an abbreviated saga of his transition from communist Romania to USA (including the passage through refugees camps).Then,an article by Policarp Gane from Campina discusses the contribution to "Gazeta Matematica" of the people from Prahova District (where Campina is located).This is in connection with the Centenary of that national publication.A large section includes hundreds of problems proposed for solution to the students of different grades.Included are also problems proposed to the Mathematical Olympiads.One must say that some of them are really difficult problems.The proposers are usually teachers of mathematics from various high schools in the country.There are also problems proposed by known mathematicians of the past,either in Gazeta Matematica or in Collections of Problems. The mathematical humour is also present in the pages of this issue.The issue conludes with a list of the names of those sending the solutions of various proposed problems to the Editors.A very nice achievement for the young mathematicians and their teachers!We wish them further successes in their mathematical endeavour.

B.Octogon (Mathematical Magazine),Vol. 3 , Nos. 1&2 , 1995.
This periodical is published twice a year (April and October)by its Editor Mihaly Benze/Harmanului Street No. 6/SACELE/RO-2212 District of Braşov/Romania.The editorial board is international,with members in Romania,Hungary,USA and Israel.Among the Associate editors we signal the presence of the well known mathematician Pal Erdös. The authors of the papers in the volume 3 represent many countries and continents: P.Erdös deals with "Some Problems in Number Theory",stating several still unsolved problems that can be formulated in rather short sentences.B.G.Pachpatte is concerned with a "Generalization of Opial's Inequality" and has "A Note on Some Nonlinear Discrete Inequalities"Nick Lord,from Tonbridge School in Kent,England,treats "An Unusual Minimax Problem".There are several notes in these two issues,authored by mathematicians from Finland,Hungary,Bulgaria,Australia,Croatia,India and other countries.I thing this listing of authors and title of papers can give an idea about the penetration of this new mathematical publication in the international mathematical community.Each issue of the volume contains a good amount of unsolved problems,with the indication of the author (not aleays the address).Reviews of new mathematical books,from various publishing houses around the globe,are also inserted in the No.2 issue.The Editor and his close collaborators are seeking sponsorship from whoever can provide some help (mostly,financial support).They certainly deserve such help!

C.Gazeta Matematica (Seria pentru informare stiintifica si perfectionare metodica). Societatea de Stiinte Matematice din Romania.Chief Editor Dan Radu.14 Academiei St., Bucuresti 70109 Romania.
This is a quarterly publication arrived arthe volume XIV (1996).As explained in the subtitle,its primary goal is to contribute to the scientific information of the readers (mainly High School Teachers),and to provide methods for the improvement of the mathematical teaching in Romanian schools.The other existing series of Gazeta is mostly dedicated to the students,who can find topics of the same caliber as in their texbooks,sometimes slightly more advanced,and many problems proposed for solution. This series of Gazeta,which has been first published in 1980,and which had an irregular schedule because of difficulties encountered from the authorities,is a continuation of "Gazeta Matematica,Series A",as well as of the "Old" Gazeta Matematica which appeared first time in 1895 (and had a regulsr schedule of publication until the communist regime has been installed in Romania).The members of the Societatea de Stiinte Matematice din Romania are the primary readers to whom the Gazeta is addressed.Nevertheless,papers in foreign languages are also inserted.

VOLTERRA CENTENNIAL SYMPOSIUM

The event took place at the University of Texas at Arlington,from May 23 to May 25, 1996 , under the sponsorship of the University and the Office of Naval Research.The following divisions of the University have participated in the sponsorship:The Graduate School,The College of Science,The College of Engineering,The Department of Mathematics and the UTA Centennial Committee.This Symposium marked the last event in the chain of cellebrations dedicated to the Centenary of the University of Texas at Arlington (1895-1995).

Vito Volterra,the well known Italian mathematician (1860-1940) has started his publications on Integral Equations in 1896.Even though integral equations have been investigated before Volterra,a cohesive theory started only after his publications have come out.He formulated the problem of solving integral equations as the problem of finding inverses of integral operators.It should be mentioned that Volterra has considered also equations which are nowadays termed as Fredholm equations,but he did not discuss the spectral theory.Nowadays,with progress made in Nonlinear Functional Analysis,the theory of Volterra Equations has known a very impressive development.

The Organizing Committee of the Symposium was formed by Professors George Fix,Rangachary Kannan,Constantin Corduneanu,from the Department of Mathematics,and Professor Fred Payne from the Department of Mechanical Engineering.Outside consultants were Prof. Irwin Sandberg from the University of Texas at Austin and Professor Richard K. Miller from the Iowa State University in Ames.

The Symposium has been attended by 75 participants,coming from 12 countries.There were 72 speakers in the program,9 out of which have been plenary speakers (1 hour). The following participants have delivered one hour lectures:Prof.R.K.Miller from Iowa State University (Volterra Integral Equations at Wisconsin;the early years";Prof.I.W. Sandberg from the University of Texas at Austin (Myopic Maps and Volterra Series Approximations);Prof. Christopher T.H.Baker from Victoria University of Manchester (Halanay type inequalities for Volterra Integrodifferential Equations);Prof. Vangipuran Lakshmikantham from Florida Institute of Technology in Melbourne (The Present State of uniform asymptotic stability for Volterra and delay equations);Prof.Martin Schetzen from Northeastern University in Boston (Retrospective of Vito Volterra and his influence on nonlinear system theory);Prof. Olof J.Staffans from Helsinki University of Technology (State space theory for abstract Volterra operators);Prof.N.V.Azbelev from Perm Polytechnic Institute , Russia (Stability and asymptotic behavior of solutions of equations with aftereeffect);Prof. Hans Engler from Georgetown University in Washington,D.C. (Regularity of solutions of a class of abstract integrodifferential equations).

The vast majority of papers dealt with topics directly related to classical Volterra operators/equations,and only a few authors have spoken about abstract Volterra equations.The number of applications has been substantial,and two of the plenary presentations have been concerned with applications of Volterra ideas in Engineering. The paper presented by Prof.R.K.Miller has a historical flavor.It is,indeed,true that a significant number of papers concerning the qualitative theory of Volterra nonlinear equations have been produced by researchers at the University of Wisconsin at Madison,starting in the late 1950's.The main contributors in this country,at an early stage of development of modern theory of integral equations were John.A.Nohel and J.J.Levin,both at that school.Their students have spread around the United States, at various universities,continuing the research work in the theory of nonlinear Volterra equations.Several of these students at Wisconsin have participated at the Symposium.Actually.more than half of the speakers are affiliated with US Universities. About 30 participants came from other countries:Canada,Japan,England,Israel,Holland, Germany,Italy,Hungary,Romania,Russia,Finland and Estonia.Their contribution was also significant.

One session of the Symposium was dedicated to Control Theory (usually,the descriptive equations were equations with delay or integrodifferential equations).This session was chaired by Dr. Frank Lewis,who is associated with the Automation and Robotics Institute of the University of Texas at Arlington (and also,an author of textbooks in Control Theory).A session on computational methods in the theory of integral equations was chaired by Prof.A.Haji-Sheikh from the University of Texas at Arlington. A session on Numerical Methods for integral equations was chaired by Prof.George Fix from the University of Texas at Arlington.In a joint paper with Dana Bedivan,George Fix announced a remarkable result.Roughly speaking,existence and uniqueness for Volterra integral equations guarantee the convergence of the Finite Element method. Interesting contributions have been presented during the Symposium by a series of participants like Prof.Dan Censor from Israel,Prof. Saburou Saitoh from Japan,Prof. N.Pavel from Ohio University,Prof.W.H.Schmidt from Germany,Prof.W.E.Olmstead from Northwestern University,Prof.S.Aizicovici from Ohio University,Prof.Donal O'Regan from Ireland,Prof.Tetsuo Furumochi from Japan,Prof.Rama Mohana Rao from India (Visiting University of Texas at San Antonio),and many other.

Note.Prof.Giuseppe DaPrato from the University of Pisa was also a plenary spaeker.

P E R S O N A L I A

Professor **Nicolae H.Pavel** from Ohio University in Athens,has particiapted at the World Congress of Nonlinear Analysts,helt in Athens,Greece,from July 10 to July 18, 1996.Together with Professor Viorel Barbu from the University of Iaşi,they have organized one of the special session of the Congress (WCNA-96).Professor Pavel has spent time in South Korea,carrying out some cooperation projects with mathematicians of that country.He has also participated at the Volterra Centennial Symposium in Arlington,Texas, and at the Annual Congress of the American Romanain Academy of Arts and Science,in Victoria,B.C.,Canada.

Dr. **Dan Pascali** from Forest Hill,N.Y.,is commuting between United States and Romania. He is a Visiting Professor with the "Ovidius University" in Constanţa.

Professor **Dan Butnariu** from Haifa University in Israel is visiting (for the academic year 1996-1997) at the University of Texas at Arlington.He is teaching courses in his area of specialization (Operations Research) and participates in various research projects,together with colleagues from this school.

Professor **Constantin Corduneanu**,with the University of Texas at Arlington,has taken retirement on August 1 , 1996 . He has been awarded the title of Emeritus Professor, and will continue his research and publishing activities at the university.This year he has participated at the Annual Meeting of the American Mathematical Society in Orlando,Florida,at the World Congress of the Nonlinear Analysts (Athens,Greece) where he presented an invited paper on "Neutral Equations with Abstract Volterra Operators". He has also visited Romania,during the Spring recess of 1996,and at the University of Iaşi he spoke about "Academic Autonomy within the Framework of American Democracy". He has also participated at the Fifth International Symposium on Differential Equations,held in Szeged,Hungary (July 29 to August 2 , 1996),at which he presented one of the plenary lectures.

Professor **Irinel Dragan** with the University of Texas at Arlington,has spent one month in Europe,lecturing at various schools in Spain,Italy and the Netherlands.His schedule took him from the University of Barcelona,where he spoke about "On the inverse problem for some linear values of cooperative TU games",to the University of Genova. There,he presented the lecture "New Mathematical Properties for thr Banzhaf value". Then he contiunued to the University of Pisa (where he taught during the academic year 1980-1981) with the lecture "Recent Advances in Game Theory".The next place to be visited was at the University of Twente.The title of his talk there was "The least square value and the Shapley value".Finally,at the University of Maastricht,he presented the lecture "New mathematical properties of the least square value".

Professor **Florin Diacu** from the University of Victoria,B.C.,Canada,has participated at the second World Congress of Nonlinear Analysts,held in Athens,Greece.He has presented an invited lecture there.Then he travelled to Romania,where his book (jointly with Prof.PhilipHolmes from Princeton University) has been made available in Romanian. Prof. Diacu is the local organizer of this year Annual Congress of ARA.

Prfessor **Sergiu Aizicovici** from Ohio University in Athens.Ohio.has attended the Volterra Centennial Symposium in Arlington,Texas,from May 23 tO 25 , 1996,where he presented a paper.He has also spent time in South Korea,working on a theme of common interest with faculty members there.

Professor **Florentin Smarandache**,presently with Pima County Community College in Tucson, Arizona,has contnued his staedy preoccupations in literary field.He is the President of the "Paradoxist Literary Movement Association" ..This Association has adepts in the US, Romania and other European countries,India.Florentin Smarandache has published many articles in various publications around the world,and a good deal of literary critics have written about him and his ideas.From the material submitted by Mr.Smarandache,I will quote the preprint of a chapter from the Marian Barbu's book "Aspects of the contemporary novel",vol.II,entitled "The Paradoxism - a new version of the postmdernism". Also,an entire volume by the literary critic Ion Soare has been dedicated to the analysis of the Paradoxist movement (Almarom,R.Valcea,1994).Mr. Smarandache has lectured about the Pradoxism in various occasions,including Bloomsburg University in Pensylvania (where the stress was on Paradoxist Mathematics).A manuscript with this title has been submitted to us a few months ago.These activities are conjugated with the preparation of his Ph.D. thesis in Mathematics (Analytic Number Theory),which he will defend in the near future.

Professor **Cristian Constanda** from Strathclyde University in Glasgow,Scotland,has been the Chair of the International Committee for the organization of the Fourth Meeting I.M.S.E. (Integral Methods in Science and Engineering).The 1996 meeting was held in Finland,at the Oulu University,in the month of June,1996.The Chairman of the local organizing committee was Professor Seppo Seikala from Oulu.

Professor **Tudor Raţiu** from the University of California at Santa Cruz is spending several months in Europe,visiting several universities and carrying out research pro - jects in collaboration with European colleagues.Prof. Raţiu is known as the author/ coauthor of several books and monographs with modern flavor which have enjoyed very favorable reception from the part of the mathematical community.We congratulate him for his valuable achievements.

Professor **Solomon Marcus** from Bucharest University is visiting Brazil,for a three months period which ends on November 30th,1996.

A young student from Romania,Ioana Dumitriu,presently enrolled as an undergraduate student at Courant Institute of Mathematical Sciences of NYU,is the winner of the 1996 "Alice T.Schaffer" Prize.This prize is awarded to an undergraduate woman in recognition of ecellence in Mathematics and is sponsored by the Association for Women in Mathematics.We quote from the Notices of the American Mathematical Society, Volume 43,No.8 (August 1996):"The 19-year old Dumitriu came from Romania for her undergraduate studies and immediately began taking graduate-level courses.Her professors describe her as truly "exceptional","extremely impressive","absolutely brilliant" and a student "whose mathematical instincts,talent and knowledge are apparent almost from the beginning".They also remark on her exceptional problem solvingabilities and "great independence of thought and originality".This was confirmed when she won this year's Elizabeth Lowell Putnam prize for her performance in the Putnam competition.As one letter states "There is no doubt that Ioana will become a mathematician,the only question is whether she will be a World class mathematician.I can't think of anyone whose chances are better".The cash prize is of $ 1,000.

Professor Henri Moscovici from Ohio State University in Columbus,Ohio,has been invited to deliver an address at the Milwaukee,Wisconsin,meeting of the American Mathematical Society to be held from October 24-26,1997.

Professor Ciprian Borcea from Rider University in Lawrenceville,N.J.,is the organizer of a special session (Mirror Symmetry and Toric Varities) at the meeting of the American Mathematical Society to be held in Lawrenceville on October 5 and 6,1996.

Professor Daniel Tataru from Nothwestern University in Evanston,Illinois,has been invited to deliver one of the plenary addresses at an AMS Meeting.

Note.Several mathematicians from the U;Canada,Romania nd the Republic of Moldova have announced their intention to particiapte at the XXI-st ARA Annual Meeting to be held at the University of Victoria,B.C.,Canada,during the period September 26th to September 29th,1996.

We will report on this ARA Congress in the next volume of Libertas Mathematica.

A U T H O R S O F V O L U M E XVI

E.Ait Dads is Professor at the University of Marrakech (Cadi Ayyad),Morocco.He has obtained his doctorate in France,at Pau University,and the state doctorate in Marrakech (1974).He is active in the field of Differential Equations.

H.Akca is associated with the Department of Mathematics of Akdeniz University in Antalya,Turkey (07070).

V.Anisiu is a faculty member with the Facultatea de Matematica,Universitatea Cluj-Napoca,Romania.His main research interest is in Complex Analysis.

K.Balachandran is a Reader at the Department of Mathematica,Bharathiar University, in Coimbatore,Tamil Nadu,India.His current research interest is in Differential Equaltions and related topics (like integrodifferential equations).

Taoufik Benkiran is a Professor of Mathematics at the University "Caddi Ayyad" in Marrakech,Morocco.His area of interest is partial differential equations and control.

Stephen Bernfeld is a Professor of Mathematics at the University of Texas at Arlington.He has obtained his Ph.D. degree in Mathematics at the University of Maryland, College Park,under the late Aaron Strauss.For over 20 years he is associated with the University of Texas at Arlington.

P.Blaga is a faculty member with the Department of Mathematics of the University "Babeş-Bolyiai" in Cluj-Napoca,Romania.He is conducting research in Complex Analysis.

J.P.Dauer is a Professor of Mathematics at the University of Tennessee in Chattanooga,Tennessee.He is conducting research work in the area of integrodifferential equations,including the case of infinite-dimensional spaces.

Irinel Dragan is a Professor of Mathematics at the University of Texas at Arlington, with special research interest in Game Theory.

Fernando Etayo is a Professor of Mathematics,at the Departamento de Matematicas y Estadistica y Computacion,Facultad de Ciencias,Universidad de Cantabria,Avenida de los Castros,in Santander,Spain.He is working in Differentail Geometry.

K.Ezzinbi is a Professor of Mathematics at the University "Caddi Ayyad" in Marrakech,Morocco.His interest in research is related to differential equations.

S.Fatajou is a faculty member with the Department of Mathematics at the University "Caddi Ayyad" in Marrakech,Morocco.

Gabriela Kohr is an Assistant Professor at the University "Babeş-Bolyai" in Cluj-Napoca,Romania.Her main interest is in the broad area.of Complex Variables.

Mirela Kohr is an Assistant Professor at the Department of Mathematics of the University of Cluj-Napoca,Romania.She is conducting research in Fluid Mechanics.

Marin Marin is a Professor of Mathematics at "Transylvania" University in Braşov, Romania.His area of expertise is Elasticity Theory and Thermoelasticity.

Gheorghe Micula is a Professor of Numerical Analysis at the Faculty of Mathematics of the University "Babeş-Bloyai" in Cluj-Napoca,Romania.He is very active in his field has many scientific connections in Europe and Asia (Turkey,South Korea).

Petru Mocanu is a Professor of Mathematics at the University "Babeş-Bolyai" in Cluj-Napoca,Romania.He is awell known specialist in Complex Analysis and is a Member of the Romanian Academy in Bucharest,the Division of Mathematical Sciences.

Gaston Mandata N'Guerekata is a Professor of Mathematics at the University of Bangui in Central African Republic.He is primarily interested in almost periodicity of solutions of differential equations in abstract spaces.He has obatined his Ph.D. degree in Canada,at the University of Montreal,and recently visited the United States.

Horiana Ovesea is a lecturer at the "Transylvania" University in Braşov,Romania.She has obtained her Ph.D. degree at the University of Cluj-Napoca,under direction of Professor Petru Mocanu.Her main field of interest is the Geometric Theory of Analytic Functions.

Cornel Pintea is associated with the Faculty of Mathematics of the University "Babeş-Bolyai" in Cluj-Napoca,Romania.He is conducting research in Complex Analysis.

Florin Popovici held several positions with the University "Transylvania" of Braşov, the Department of Mathematics,and other institutions of learning from the area.He is actively involved in the editorial work at the publication "Octogon",and pursues his research in the fields of Real Analysis,Toplogy a.o.

Radu Rosca (also known as Rosca-Rochas) is an Emeritus Professor,still active in the field of Differential Geometry.For an extended biography of Radu Rosca,see Libertas Mathematica,vol.II(1982).

Ioan Şerb is associated with the Department of Mathematics at the "Babeş-Bolyai" University in Cluj-Napoca,Romania.His research interests are oriented towards the field of Complex Analysis.

Carmen Vlad is currently a Professor of Mathematics at Pace University in New York. While in Romania,she has taught at the Agricultural University of Bucharest and was involved in research work pertaining to the broad area of Complex Analysis.She continued her mathematical training in the United States,obtaining the Pd.D.degree in Mathematics from the New York Polytechnic Institute.She is an active researcher in Measure Theory and related topics.

LIBERTAS MATHEMATICA

is a publication of the American Romanian Academy of Arts and Sciences. It is published once a year, as a volume of approximately 200 pages. Contributions to LIBERTAS MATHEMATICA are requested by the editor, or they must be submitted by ARA members. Any paper submitted by an ARA member, if not accompanied by his/her report, will undergo a peer reviewing process. Correspondence related to LIBERTAS MATHEMATICA should be addressed to the Editor:

Professor C. Corduneanu
Department of Mathematics
University of Texas at Arlington
Box 19408
Arlington, TX 76019

Volumes I-XVI are available. Volumes I-III are priced $35.00 each institutional, and $18.00 each for individual subscribers. Volumes IV-VII are priced $40.00 each institutional, and $20.00 each for individual subscribers. Volumes VIII-X are priced $45.00 each Institutional, and $22.00 each for individuals. Volumes XI-XIII are priced $50.00 each institutional, and $25.00 for individual subscribers. Volumes XIV-XV are priced $60.00 institutional, and $30.00 for individual subscribers. Package Volumes I-XVI can be ordered at $550.00 Institutional, or $275.00 for individuals.

Subscription Agencies and Booksellers receive a 20% discount from the Institutional price.

Check/Money order must be made payable to ARA for LIBERTAS MATHEMATICA and sent with the order at the address specified above. Postal and handling fees are included in the prices mentioned above.

Proposals for exchange of publications must be submitted to the Editor.

ACKNOWLEDGEMENT

For the preparation of Volume 16, the Editor expresses his thanks for the help provided (composition, typewriting, printing) by the following persons: Dr. Dan Butnariu, Visiting Associate Professor; Dr. Yizeng Li, Lecturer; our student Dana Bedivan; and our secretary Marjorie Nutt.