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Scholars and artists of Romanian origin living on American soil , as well as a number of American scientists specializing in Romania civilization , culture and language , guided by the aspiration of serving both the American and the Romanian nations through creative scientific and cultural activity , do establish :

The American Romanian Academy
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as a "non profit organization" .

I. Purpose and Character of the Academy

Art. 1 . A.R.A. is an academic forum . Its vocation is the enhancement of Romanian cultural values in the spirit of academic autonomy as defined by Western democratic thought . The Academy has the following objectives:

- (a) to foster Romanian culture and acquaint the Western world with Romanian spiritual values ;
- (b) to strengthen the cultural and spiritual ties between the American and Romanian peoples ;
- (c) to provide , in the United States of America , for the Romanian nation , a constant "point d'appui" at the scientific and cultural levels .

Art. 2. In order to achieve its goal , the American Romanian Academy of Arts and Sciences shall preserve and strongly defend its independence , by avoiding any affiliation to other organizations or its subordination to Associations or groups of any type .

Art. 3. The residence of the American Romanian Academy (A.R.A.) will be that of its President . The President represents the A.R.A. de facto and de jure .

II. The Members , their categories , Admission Procedures, Cessation of Membership

Art. 4. The A.R.A. consists of :

- (a) full members ; (b) associate members ; and (c) honorary members .

Art. 5. The full members are elected according to the following criteria :

- (a) Their activity in the field of their specialization , with publications or exhibitions of value , recognized by their respective scientific or artistic circles ;
- (b) Their concern for the ideals of promoting Romanian culture under conditions free from political pressures . Any member of the A.R.A. has the right to recommend to the President - by a documented report - the admission of a new member into the Academy . The President will ask also the advice of a full member in a domain close to the special field of the candidate . In the event , this advice is favorable , the President shall transmit in writing the proposal to all full members of the Academy , together with all necessary data in view to enable the members to be informed about the academic (scientific or artistic) activities of the candidate .

In this proposal , the President will specify the candidate's status in his or her country of residence in order that it may be established whether the candidate is in a position to undertake lasting collaboration with the A.R.A. in the spirit of freedom stipulated by the Bylaws . The admission as a member is obtained by two thirds of the votes received by mail from the full members , provided that the number of ballots received represents the majority of the total number of the full members of the A.R.A.

Art. 6. The admission of the associate members follows a procedure similar to that described in Art. 5 . However , their admission is justified primarily by the moral and material support they offer the Academy .

Art. 7. Persons who have rendered particular services to the Academy or have substantially contributed to the fulfillment of its goals may be appointed honorary members at the President's proposal and with the approval of the Executive Committee ; the honorary members are exempted from the annual dues .

Art. 8 . Only the full members have the right to vote .

Art. 9 . The quality of member is lost by anyone who :

- (a) departs from the stipulations of Articles 5 or 6 of the Bylaws ;
- (b) offers a written resignation to the President ;
- (c) does not pay the annual fees during two consecutive years .

Membership is automatically terminated in the case specified under (c) , at

the Secretary-Treasurer's acknowledgement ; and in the case specified under (b) , at the acknowledgement of the President . These acknowledgements should be included in the Minutes of the next meeting of the Executive Committee . In the case under (a) , the situation should be submitted by the President to the Grievance Committee (see Art. 27) following a notice given by the Executive Committee . The Grievance Committee will proceed with investigation and will present its report to the President (see Art. 17) .

III. The Governing Bodies

Art. 10. The General Assembly takes place once a year at the time of the Congress (ordinary meeting) , or more than once yearly , if called in extraordinary meeting by the President. The President summons the Assembly by circular letter addressed to full members , one month before the date which has been decided for the meeting . The agenda of the meeting shall be attached to the letter . Associate members may participate in discussions , but decisions are taken by the majority of votes of the full members .

Before a General Assembly may be duly constituted , the personal presence of at least ten full members is required . Decisions of the General Assembly require a majority of 50 percent plus one of those members who are present in person or who have provided a written proxy . If , by any lack of "quorum" , the meeting cannot be assembled , the President , with previous approval of the Executive Committee , may consult all the full members by mail , based on the established agenda .

The results will be communicated by the President to all members and inserted in the next Bulletin .

The General Assembly deliberates on the order of the day , discusses and approves the reports of the President and of the Secretary-Treasurer , approves the balance sheet of incomes and expenditures , elects the members of the Executive Committee who will serve for three years , decides the place , the university and the date of the next Congress and General Assembly and elects the members of the Grievance Committee .

Art. 11. The Executive Committee conducts the activity of the A.R.A. between the annual congresses . The Committee is composed of nine members , elected for a three-year term by the General Assembly , namely : The President , the Vice President , the Secretary-Treasurer and six Counselors . A representative of the ARA Research Institute and the editor of the Journal are members ex officio .

1. The President represents the A.R.A. , presides over the Congresses and the General Assembly , approves the programs of the annual Congresses in agreement with the decisions taken by the General Assembly , supervises the carrying through of the decisions taken by the General Assembly , conducts the procedures for the election of new members (cf. Art. 5 , 6 , 7) , approves the expenditures going beyond the scope of current and routine administration , summons the General Assembly meeting at least once a year , at the date of the Congress . At least once a year , the President informs all full , associate and honorary members by circular letter about the activities of the Academy (in relationship with Congresses , Publications , Studies , Exhibitions , Festivals , Financial Matters , etc.) , communicates to all members by special circular letter : the admission of new members , the cases of cessation of status of membership , the recommendations of the Grievance Committee .

2. The Vice President acts as substitute for the President in case of need and assists the President especially in problems related to publications .

3. The Secretary-Treasurer draws up the minutes of the meetings of the General Assembly and of the Executive Committee , carries on the task assigned to him by the President , administers the assets of the Academy , keeps the account book , writes the financial reports , and makes payment of the expenditures needed by the activities of the Association under the supervision of the President . The Secretary-Treasurer submits the balance sheet , including the income and expenditures for approval before the Executive Committee at each of its meetings .

4. The six Counselors correspond to the various branches of activity of the Academy in agreement with the specifications below (see Art. 13) . At the request of the editors in charge of the publications of the A.R.A. , the counselors report on the works submitted to publication which fall within the competence of their own general fields of activity . They also report to the Scientific Committee of Congresses in matters related to papers on subjects close to their competence in view of organizing the programs by sections .

The Executive Committee takes decisions in any matter falling within its competence . The Executive Committee is summoned by the President whenever he or she considers it necessary . The letter of convocation shall include the agenda of the meeting , asking that those members who are not able to participate in person should send their votes by mail ; for matters of emergency , the President may con-

sult the members of the Executive Committee by telephone or telegram . The decisions of the Executive Committee as well as the voting procedures shall be inserted in the official report of the proceedings , which will be submitted for approval at the next meeting , and published in the next Bulletin of the Academy .

IV. The Activities of the Academy

Art. 12. As an institution promoting Romanian studies , the A.R.A. intends to introduce and stimulate knowledge of the cultural values of the Romanian nation in international circles , by encouraging research into the various domains of the humanities , positive sciences and arts . The studies undertaken by A.R.A. in these domains will examine the Romanian past and present , as well as various Romanian creations (artistic or scientific) achieved inside or outside Romania , in the framework of the orientations and cultural perspectives of the contemporary free world .

Art. 13. The activities of A.R.A. include Congresses , publications , art exhibitions and music festivals .

1. Congresses are annual meetings of academic standard in which the full members , the associate members , as well as other persons interested in Romanian culture , may participate and present papers . The inclusion of papers in the program will be made on the basis of abstracts (sent before the date indicated by a circular letter) , after approval of the congressional scientific committee composed of the President , counselors , as well as the local organizer . The congresses take place annually in the locality and at the university selected by the general Assembly of the preceding year .

2. The Publications consist of : volumes , periodicals and bulletins . The editorial practices adopted in these publications will conform to those followed in scholarly Societies in the United States . The editing of each volume , bulletin or periodical , is assigned to an editor by the Executive Committee at the proposal of the President , following a written report of the Vice President .

3. Exhibitions are generally organized similarly to other parts of the congressional programs - at the place and time scheduled for congresses . They can also be organized separately by a decision of the Executive Committee .

4. Music Festivals are generally organized at the time of congresses and are designed to promote and encourage the free creation of Romanian music. Festivals can also be organized separately following decision of the Executive Committee.

5. Specialized help for members of the Academy in the preparation of their freely initiated activities as described above is provided by the A.R.A. Research Institute . The program of the Institute is approved by the Executive Committee of the Academy .

V. Financial Matters

Art. 14. The financial resources of the Academy are :

- (a) The annual fees of members established by General Assembly ;
- (b) Donations made by individuals , foundations or private corporations .

Acceptance thereof is subject to the decision of Executive Committee .

Art. 15. The A.R.A. shall proceed to the election of a Fund-Raising Committee from individuals and private institutions for publication of A.R.A. volumes , bulletins and periodicals . The Committee will be composed of five to seven persons elected by the General Assembly for a three-year term . The Fund-Raising Committee will work under the general supervision of the President . The funds are part of the assets of the Academy , to be used for meeting the costs of printing A.R.A. publications .

VI. The Grievance Committee

Art. 16. Any member of the A.R.A. has the right to addree a written complaint referring to : violations of the bylaws ; activities within the Academy inconsistent with its aims ; and financial irregularities . The complaint , giving a truthful and documented presentation of the facts , must be signed before a notary public . The President will submit the complaint to the Grievance Committee for investigation and report . The complaint has a confidential character .

Art. 17. The Grievance Committee is composed of three members elected by the General Assembly for a three-year term . Its members cannot be at the same time members of the Executive Committee . For the first year , the President of the Grievance Committee shall be the eldest of the three members . Then , the President may pass the function to other members of this committee by agreement among them . The solution of a complaint should not be delayed for more than 60 days from the date of its presentation to the President of A.R.A.

If the Grievance Committee needs an extension of time , the President of A.R.A. may grant another delay of a maximum of 30 days , by which time the procedure must be completed . The documented opinion of the Grievance Committee shall be sub-

mitted for decision to the Executive Committee . The decision will be communicated to the claimant by the President of A.R.A. by registered letter . The claimant retains the right of appeal to the General Assembly .

VII. Amendment of the Bylaws

Art. 18. Any amendment of the Bylaws falls within the jurisdiction of the General Assembly . The Assembly reaches decisions in this matter by a majority of two-thirds of the total number of full members of A.R.A. , voting in person or by proxy . The text of any proposed amendment should be attached to the letter of convocation sent by the President to all full members one month before the date of the Assembly , together with the agenda and with a statement confirming that the proposed text has been approved by the Executive Committee .

VIII. Final Provisions

Art. 19. In the extreme event in which the purposes of the Academy could no longer be achieved , A.R.A. could be dissolved . The dissolution of A.R.A. will be decided by at least two-thirds of the votes of the members of the Executive Committee . The decision of the Executive Committee must be approved by a special meeting of the General Assembly with a two-thirds majority of votes . In case of dissolution the entire assets of the A.R.A. shall be transferred to the "Hoover Institution for War , Revolution and Peace" of Palo Alto , California , which has already treasured other important Romanian documents .

Art. 20. The English version of the present Bylaws is the only authentic or juridically valid one .

Art. 21. The present Bylaws of A.R.A. replace the Bylaws of February 1983 .

MARIA I. MANOLIU-MANEA - President
American Romanian Academy of Arts and Sciences

MIRON BUTARIU - Secretary - Treasurer
American Romanian Academy of Arts and Sciences

A.R.A. Publications

The American Romanian Academy of Arts and Sciences is publishing a series of books dedicated to the history , language , civilization and culture of the Romanian nation . Due to the generous financial help provided at the beginning by the founder of A.R.A. , Monsignor Octavian Barlea , and by means of an active campaign of diffusion and sales , the following volumes have been printed and are available to the interested persons/institutions:

- 1) OCTAVIAN BARLEA : Romania si Romanii ; Romania and the Romanians , 1977. The text is integrally parallel in the Romanian and English languages . The translation from the Romanian into English is due to George C. Muresan and Enea Motiu . The book has 421 pages and 21 maps .
- 2) PAUL D. QUINLAN : Clash over Romania (British and American Policies toward Romania , 1938 - 1947) , 1977 . The volumes presents the diplomatic relations of England and the United States with Romania during the turbulent years between 1938 and 1947 .
- 3) MARIA MANOLIU-MANEA (Editor) : The Tragic Plight of a Border Area;Bassarabia and Bucovina , 1983 . The book contains a collection of studies and articles on Bessarabia and Bucovina , Romanian provinces annexed by Soviet Union .
- 4) VLAD GEORGESCU : Istoria Romanilor (de la origini pana in zilele noastre) 1984 . This is the first comprehensive and uncensored book on the history of Romanians published since 1944 .
- 5) IONEL JIANU , GABRIELA CARP , ANA MARIA COVRIG , LIONEL SXANTYE : Romanian Artists in the West , 1986 . This anthology contains more than 170 articles (accompanied by two reproductions) , dedicated to Romanian artists (Painters , Sculptors) who have resettled in the West . A Romanian version is available . Excellent graphic conditions .

These volumes can be ordered at the following address:

A.R.A. Publications
4310 Finley Avenue # 6
LOS ANGELES , CA 90027

ARA CONVENTION IN PORTLAND/OREGON

The 1988 Annual Convention of the American Romanian Academy of Arts and Sciences has been organized at the Portland State University , Portland , Oregon . The local organizer of the convention was Professor Ladis Kristof, Professor of Political Sciences at PSU . The Convention took place from May 5 , to May 8 , 1988 . A visit to the Maryhill Museum (Washington) has been organized .

During the Convention , a Session on "Mathematics and Engineering" has been organized in the afternoon of Thursday , May 5 , 1988 . The following papers have been presented in this Session :

C.Corduneanu : "Some New Problems in the Theory of Functional-Differential Equations" .

I.Paraschivoiu : "Dynamic-Stall Phenomenon and its Applications" .

Elisei Unteanu : " Computer Invasion of the Engineering Fields" .

There has been another Session dedicated to "Health Sciences and Technology " , in which the following subjects have been discussed : "Metals and Pollution" (Carmen Sabau) ; "Assessment of the Impact of the Chernobyl Accident in Europe" (Mircea Sabau) ; "AIDS: Is there hope in sight?" (Manuela Selles) .

Among the participants to the Convention we notice the presence of Dr. Mihai Botez from Romania . He is a mathematician by training , and presently is visiting the Hoover Institution in California . He is well known to the Romanians in exile for his critical attitude toward the Romanian Government. Dr. Botez has participated in several Round Tables organized during the Convention .

We insert below the abstracts of the papers given in the Session "Mathematics and Engineering" .

Corduneanu : " The object of our investigation is the qualitative study of functional differential equations of the form $\dot{x}(t) = (Lx)(t) + f(t)$, or of the nonlinear counterpart in which $f(t)$ is replaced by $(fx)(t)$. By L one denotes a continuous linear operator of Volterra type (causal or nonanticipative) , acting on a convenient function space . These equations/systems contain as special cases most linear delay equations/systems . The following directions of research are outlined : 1) Asymptotic behavior of solutions ,

by comparing these solutions with certain solutions of ordinary differential equations ; 2) Boundary value problems for Volterra type functional differential equations depending of parameters , and applications to similar problems for differential delay equations ; 3) Singularly perturbed functional differential equations , and approximations of solutions by means of simpler equations ; 4) Control problems involving abstract Volterra functional-differential equations " .

Paraschivoiu : "The dynamic-stall is characterized by the shedding and passage over the upper surface of the lifting surface of a vortex-like disturbance . The significant parameters which influence the dynamic stall are: airfoil shape , reduced frequency , mean angle (or amplitude) , Mach number, Reynolds number , type of the motion , three-dimensional and turbulence effects . The maximum angle of attack is the primary parameter that determines the degree of flow separation . Various empirical methods are analyzed , and particular attention is paid to the case of the Darrieus rotor " . See also the paper coauthored by Dr. Paraschivoiu in this volume .

Unteanu : "The paper presents the perspective regarding the integration of the computer into the life and work of today's engineers , a perspective which looks very different than that of ten or fifteen years ago . The ever increasing use of computers is part of the current trends in Science and Technology . Computers have invaded the engineering fields in many ways . The most powerful kind of invasion has occurred when the term computer-AIDED , coined by someone in the near past , and with wide use in the engineering magazines , has become a reality in the engineering world . Nowadays , a large industry which reported worldwide sales in excess of \$ 9 billion for 1987 , is in fast deployment , and predictions of the order of \$ 14 billion are advanced for 1991 . If we agree to use CA for computer-aided , then the following fields are known worldwide: CAM - manufacturing ; CAD - design ; CAE - engineering ; CAT - testing ; CASE - software engineering ; CAEP - electronic packaging ; CAP - publishing ; CARD - real-time design . Two examples of full custom computer-aided engineering tools are described . First , the CIM - computer-integrated manufacturing developed by the University of Braşov (Romania) , 1975 - 1985 . Second , a resume of Mentors Graphics' computer-aided engineering tools , as the leading provider in EDA " .

O B I T U A R I E S

ION CREANGĂ , an Emeritus Professor with the University of Iași-Romania has passed away in May 1987 , in Iași. Ion Creanga has obtained his Licența in Mathematics at the University of Iași in the 1930's , and served as an Assistant at that institution before he received a fellowship to study in Italy. In 1938 , Creangă passes his Doctorate in Mathematics in Rome , under the supervision of Enrico Bompiani . The topic of the thesis was "Trasformazioni degli intorni del secondo ordine di due punti corrispondenti nelle corrispondenze puntuali fra due spazi Euclidei" . From 1939 , until his death , at the age of 76 , Ion Creanga has served the two major institutions of higher education in Iași : Institutul Politehnic "Gh.Asachi" and Universitatea "Al.I. Cuza" . He has taught Analytic and Differential Geometry at the Polytechnic , and Algebra , Number Theory and related topics at the University . He has occupied many positions in the administration : Dean of the Mathematics Faculty, Vice-Rector of the University , and Rector (President) of the University of Iași (1955 - 1972) . Creanga had a large number of Ph.D. students , and was the Chairman of the Department (Chair) of Algebra for a long time . He has co-authored with his colleagues or students a large number of textbooks and monographs . His research work has been related to Differential Geometry in the first part of his career , and to Algebra in the second part . He is the author of a considerable number of journal papers and has made presentations at various meetings in Romania and abroad (Italy , France , Germany , China , England, Soviet Union , Czechoslovakia , Hungary a. o.)

DAN PETROVANU , Professor at the University of Iași, has passed away in February 1988 , at the age of 58 . Dan Petrovanu has been a student with the University of Iași from 1948 - 1952 . Then , he has joined the research staff at the Mathematical Institute of the Romanian Academy of Sciences , the Branch in Iași. In 1963 he has obtained his Ph.D. in Mathematics , under supervision of Mendel Haimovici . He became a Professor with the University of Iași in 1969. Dan Petrovanu was an accomplished Chess Master , and had interest in the literary field (Co-author of a volume on Eminescu - the greatest poet of Romania). He was a Visiting Professor at the University of Michigan , during the academic year 1969 - 1970 . He visited other countries , like Poland , Germany , Belgium , Italy and Soviet Union . His wife , Ortansa P. , a Professor of Chemistry , has preceded him in death for 14 months . Their son Fabius P. is the only survivor .

P E R S O N A L I A

NICOLAE TEODORESCU (THEODORESCO) , an Emeritus Professor with the University of Bucharest is 80 years old in 1988 . He is a member of the Romanian Academy of Sciences , and President of the Romanian Mathematical Society . A former student of J.Hadamard in Paris , N.Teodorescu has taught Partial Differential Equations at the University of Bucharest , and at the Polytechnic Institute of Bucharest . The Romanians mathematicians in exile are sending him the warmest congratulations for the Anniversary .

IZU VAISMAN , a Professor with the University of Haifa , Israel , is 50 years old in 1988 . He started his mathematical career in Romania , both as a student and faculty member with the University of Iași . After emigration to Israel , Izu Vaisman continued his research work in Differential Geometry , publishing a large number of papers and several books . He is warmly congratulated on his Anniversary by his colleagues .

CONSTANTIN NEGOITA , a Professor of Computer Sciences at Hunter College in New York , is the Congress Chairman of the 8-th International Congress of the World Organization of Systems and Cybernetics (to be held June 11-14 , 1990 , at Hunter College).

EUGEN DOBRESCU , a Professor of Mathematics at the University of Craiova, Romania , is 65 years old in 1988 . He studied at the Universities of Bucharest and Paris , and for the last almost 40 years he has taught Mathematics at the Petroșani Mining Institute , and then at the University of Craiova. He has authored a large number of papers and books . Best congratulations on his Anniversary from his colleagues and friends in exile .

C.T.IONESCU TULCEA , a Professor at Northwestern University , Evanston , IL , is 65 years old in 1988 . Before coming to the USA in 1957 , Ionescu Tulcea has been associated with the University of Bucharest , and with the Mathematical Institute of the Romanian Academy of Sciences . Professor Ionescu Tulcea is congratulated on his anniversary by his colleagues .

CIPRIAN FOIAS has participated in several meetings organized abroad . After attending in Israel a meeting on Operator Theory , he has participated in Paris at the meeting dedicated to the 60-th Anniversary of Jacques Louis Lions .

IRINEL DRAGAN , a Professor at the University of Texas in Arlington , has participated at the International Meeting of the Society for Operations Research, held in Tokyo , Japan , in August 1988 .

A D D R E S S E S

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L I B E R T A S M A T H E M A T I C A

Libertas Mathematica is the mathematical 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 A.R.A. members (the following mathematicians are members of A.R.A. : Irinel Dragan , Tudor Rațiu, Ilie Popescu , Samuel Zaidman , Maxwell Rosenlicht , Maria Zamfir-Bleyberg , Ion Paraschivoiu) . Any paper submitted , if not accompanied by the report of an A.R.A. member , will undergo a reviewing process . Any correspondence concerned with Libertas Mathematica must be addressed to the Editor :

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Volumes I(1981) - VIII (1988) are available . Volumes I , II , III are priced \$ 35.00 each Institutional , and \$ 18.00 each for Individual subscribers . Volumes IV , V , VI , VII are priced \$ 40.00 each Institutional, and \$ 20.00 each for Individual subscribers . Volume VIII is available at \$ 45.00 Institutional , and \$ 22.00 for Individual subscribers . Package Volumes I - VII can be ordered at \$ 240.00 Institutional , and \$ 120.00 for Individual subscribers . Checks/Money orders must be made payable to the American Romanian Academy .

Subscription Agencies/Booksellers get a 20% discount from the Institutional rates shown above . Subscription for Volume IX (1989) is \$ 45.00 Institutional , and \$ 22.00 for Individual subscribers .

A.R.A. is publishing also the periodical "JOURNAL of A.R.A." , once a year . This publication is mostly dedicated to Humanities and Social Sciences, and to A.R.A.'s Affairs .