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ASTRONAUTICA ACADEMIA
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Sherman P. Vinograd

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INTERNATIONALIS ASTRONAUTICÆ ACADEMIÆ
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Oversized



**System Development
Corporation**
A Burroughs Company

System Development Corporation
8201 Greensboro Drive
McLean VA 22102

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Madison, Wisconsin 53104

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MEMBERSHIP
DOCUMENTS

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INTERNATIONAL ACADEMY OF ASTRONAUTICS

up date 04/01/86

GENERAL MEMBERSHIP ROSTER

ACKERMAN M.E.H.	1 M BELGI	BERRY C.A.	3 M USA	CHERNE J.M.	2 CM USA	DRAMBA C.	1 CM RUMAN
ADAMOVICH B.A.	3 CM USSR	BEYNON W.J.G.	1 CM UK	CHERNYI G.G.	2 M USSR	DRAPER C.S.	2 M USA
ADEY W.R.	3 CM USA	BIGET P.L.	3 CM FRANC	CHEVALIER R.	2 M FRANC	DUCROCQ A.	4 M FRANC
AKASOFU S.I.	1 M JAPAN	BIGNIER M.C.M.	2 M FRANC	CHOI K.H.	2 M KOREA	DUFFY R.	2 M USA
AKIBA R.	2 CM JAPAN	BILLINGHAM J.	3 M USA	CHONG Y.J.	1 M SINGA	DURANT III F.C.	4 M USA
AKULINICHEV I.T.	3 M USSR	BJURSTEDT H.A.	3 M SWEDE	CHRISTOL C.Q.	4 M USA	DVORAK J.	3 M CZECH
ALDRIN B.	2 M USA	BLACKBURN Jr.L.H.	3 CM USA	CHUBB T.A.	1 CM USA	EDELSON B.I.	2 M USA
ALEMASOV V.E.	2 CM USSR	BLACKWELL D.E.	1 CM UK	CHUDAKOV A.E.	1 CM USSR	EGOROV A.D.	3 M USSR
ALFVEN H.O.G.	1 M SWEDE	BLAMONT J.E.	1 M FRANC	CIMINO M.	1 CM ITALY	EGOROV B.B.	3 M USSR
ALCALA ERMINY J.M.	3 CM VENEZ	BLASINGAME B.P.	2 CM USA	CLARK J.F.	1 M USA	ENGEL R.	2 CM FRG
ALLEN L. Jr.	2 M USA	BLENN H.	2 CM FRG	CLARKE A.C.	2 M UK	ERNSTING J.	3 M UK
ALLEN W.H.	3 CM USA	BLUTH B.J.	4 M USA	CLAUSER F.H.	2 CM USA	ERREBO-KNUDSEN E.O.	3 M DENMA
ALMAR I.J.	1 M HUNG	BOCKSTIEGEL K.H.	4 M FRG	CLAVIN P.	1 CM FRANC	EVARD E.	3 M BELG
ALVAREZ HERNANDEZ J.L.	4 CM MEXIQ	BODENSCHTATZ M.	4 CM FRG	CLEATOR P.E.	4 M UK	FAGET M.A.	2 M USA
AMALDI E.	1 M ITALY	BOGDONOFF S.M.	2 CM USA	CLEMEDSON C.J.	3 M SWEDE	FALTHAMMAR C-G.	1 M SWEDE
AMBARTSUMIAN S. A.	1 M USSR	BOLGER P.H.	2 CM USA	COCCA A.A.	4 M ARGEN	FASAN E.	4 M AUSTR
AMBARTSUMIAN V.A.	1 M USSR	BOLIN B.R.J.	1 M SWEDE	CODE A.	1 CM USA	FEHRENBACH C.	1 M FRANC
ANDERSEN C.E.	1 CM DENMA	BOLTON G.R.	2 M UK	COGOLI A.	3 CM ITALY	FEOKTISTOV K.P.	2 M USSR
ANDJELIC T.P.	1 CM YUGOS	BONDE-PETERSEN F.	3 CM DENMA	COLEMAN Jr P.J.	1 M USA	FERRARI C.	2 M ITALY
ANDJUS R.K.	3 M YUGOS	BONDI H.	1 M UK	COLLIARD C.	4 CM FRANC	FERRER Jr. M.A.	4 M ARGEN
ANDREWS E.G.D.	2 CM UK	BONIFACIO R.	2 M ITALY	COLLINS M.	4 M USA	FEUERBACHER B.	1 M FRG
ARMSTRONG N.A.	HM USA	BONNET R.M.	1 M FRANC	CONCHIE P.J.	2 M UK	FINCH E.R.	4 M USA
ARMSTRONG R.C.	3 CM USA	BONO P.	2 CM USA	CONRAD Jr. C.	4 M USA	FINK D.J.	2 M USA
ARNOLD J.R.	1 M USA	BOURELY M.G.	4 M FRANC	CONSTANTINESCU V.N.	2 CM RUMAN	FISCHER H.J.	1 CM DDR
ARNOLD L.	2 CM USA	BOURNE G.H.	3 CM USA	CONTANT J.M.	4 M FRANC	FISZDON W.	2 M POLAN
ARRHENIUS G.	1 CM USA	BOUTTES J.G.	2 M FRANC	CONTENSGU P.	2 M FRANC	FLAX A.H.	2 M USA
ARSHINKOV I.S.	2 M BULGA	BOUYER C.S.	1 CM USA	CORBEAU J.	2 M FRANC	FLEISIG R.	2 CM USA
ASHLEY H.	2 M USA	BOYARCHUK A.A.	1 CM USSR	CRAWFORD J.L.	3 CM USA	FLETCHER J.C.	2 M USA
AUGER P.	1 M FRANC	BOYD R.L.	1 CM UK	CROCCO L.	2 M USA	FLICKINGER D.	3 M USA
AUGUSTINE M.R.	2 M USA	BRASSEUR G.	1 CM BELGI	CURIEN H.	1 M FRANC	FRANKS W.R.	3 M CANAD
AXFORD W.I.	1 M UK	BREAKWELL J.V.	2 M USA	D'ALLEST F.	2 M FRANC	FREITAG R.F.	4 CM USA
AZCARRAGA A.	2 CM SPAIN	BREEDING R.E.	3 M USA	DALE D.	1 M UK	FRIEDMAN H.	1 M USA
BAINUM P.M.	2 CM USA	BRIEGLER W.	3 CM FRG	DALGARN A.	1 M UK	FRUTKIN A.W.	4 CM USA
BAKER D.	1 M UK	BROGLIE DE L.	HM FRANC	DAVIES J.G.	1 M UK	FUCHS H.S.	3 M FRG
BALAZS B.	1 CM HUNG	BROGLIO L.	2 M ITALY	DAVIES J.K.	1 M UK	GABRIELLI G.	2 CM ITALY
BALLHAUS W. Jr.	2 M USA	BROWN A.H.	3 CM USA	DAVIS L.I.	2 CM USA	GAL G.	4 CM HUNGA
BARANSKI S.	3 M POLAN	BUCHANAN P.	3 M USA	DE JAGER C.	1 M NETHE	GALLEEV A.A.	1 M USSR
BARLIER F.	1 CM FRANC	BUCKER H.	3 M FRG	DE LEO M.	2 M ITALY	GALLOWAY E.M.	4 M USA
BARRERE M.	2 M FRANC	BUEDELER W.	4 M FRG	DEAN A.H.	4 M USA	GALPERIN Y.I.	1 M USSR
BARTA G.	1 CM HUNG	BUMBA V.	1 M CZECH	DEBIJADJI R.	3 M YUGOS	GARRIOT O.K.	1 M USA
BATES D.R.	1 M UK	BUONGIORNO C.	2 CM ITALY	DEKLEVA N.	3 M YUGOS	GAVIN J.Jr.	2 M USA
BATTIN R.H.	1 M USA	BURCHARD E.C.	3 M FRG	DELAUER R.D.	2 M USA	GAZENKO O.G.	3 M USSR
BAUER S.	1 M AUSTR	BURT E.G.	2 CM UK	DELORME J.	HM FRANC	GEISS J.	1 M SWITZ
BAZJANAC O.	2 CM YUGOS	BUSEMAN A.	2 M USA	DEMENTIEV G.P.	2 CM USSR	GENCIC V.	2 M YUGOS
BEGGS J.M.	2 M USA	BUSSARD R.W.	2 CM USA	DENISSE J.F.	1 M FRANC	GENTY R.	2 CM FRANC
BEICHEL R.	2 M FRG	BUTEMENT W.A.S.	2 CM AUSTR	DESAUSSURE H.	4 CM USA	GERATHEWOHL S.J.	3 M USA
BEISCHER D.E.	3 CM USA	CAI J.	2 M CHINA	DIEDERIKS-VERSCHOOR	4 M NETHE	GERMAIN P.	2 M FRANC
BEKEY I.	2 CM USA	CAMBOU F.	1 CM FRANC	DIEMINGER W.	1 CM FRG	GETTING I.A.	1 M USA
BELOTSEKOVSKY O.M.	1 M USSR	CAP F.	1 M AUSTR	DIETLEIN L.F.	3 M USA	GIACCONI R.	1 M USA
BENECKE T.	2 CM FRG	CARPENTIER J.	2 M FRANC	DIXON F.P.	2 CM USA	GIBSON R.	4 M UK
BENIGNI C.	2 M ITALY	CARRARA N.	2 CM ITALY	DIXON T.F.	2 CM USA	GILRUTH R.R.	2 M USA
BENSON A.J.	3 CM UK	CARTER L.	4 M UK	DOLLFUS A.	1 M FRANC	GINZBURG V.L.	1 M USSR
BERGEN W.B.	2 CM USA	CARVER J.H.	1 M AUSTR	DORDAIN J.J.	2 M FRANC	GITELSON J.	3 CM USSR
BERGER H.	4 CM USA	CASCI C.	2 CM ITALY	DORLEAC B.	2 CM FRANC	GLENN Jr.J.H.	HM USA
BERNDT S.B.	2 M SWEDE	CAVAGNA G.A.	3 CM USA	DOUBOCHINE G.N.	1 M USSR	GLUSHKO V.P.	2 M USSR
		CHANDRASEKHAR S.	1 M USA	DOUGLAS W.K.	3 CM USA		
		CHARYK J.V.	2 M USA	DOYLE S.E.	4 M USA		
		CHEN F-Y	2 M CHINA	DRAEGER J.A.	3 M FRG		

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GOGOSHEV M.M.	1 M BULGA	HOWARD P.	3 M UK	KOTNIK J.	2 CM YUGOS	MALAVARD L.	2 M FRANC
GOGOSOV V.V.	1 M USSR	HULTQVIST B.K.G.	1 M SWEDE	KOVALEV E.E.	3 M USSR	MANDELSTAM S.	1 M USSR
GOLD T.	1 M USA	HUNDHAUSEN A.	1 CM USA	KOVALEVSKY J.	1 M FRANC	MANSON N.	2 M FRANC
GOLDSTEIN S.	2 M USA	HUNTER II M. W.	2 M USA	KOZESNIK J.	2 M CZECH	MARBARGER J.P.	3 M USA
GORBIEL A.	4 CM POLAN	HUSSON J.C.	1 CM FRANC	KRAFT Jr. C.C.	2 M USA	MARCHAL C.L.	1 M FRANC
GOROVE S.	4 M USA	HUXLEY L.G.H.	1 CM AUSTL	KRASOVSKY V.I.	1 M USSR	MAREC J.P.	2 M FRANC
GRATTON L.	1 CM ITALY	HYATT A.	2 CM USA	KRATOCHVIL C.H.	3 CM USA	MARK H.	2 M USA
GRAUL E.H.	3 CM FRG			KRAUSS R.W.	3 CM USA	MAROV M.YA.	1 M USSR
GRAYBIEL A.	3 M USA	IGARASHI M.	3 M JAPAN	KREINOLER A.	3 CM RUMAN	MARTIN A.R.	2 M UK
GREENBERG J.	4 M USA	ILYIN E.A.	3 M USSR	KUETTNER J.P.	1 CM USA	MARX G.	1 M HUNGA
GREY J.	2 M USA	ITOKAWA H.	2 M JAPAN	KULIKOVSKY A.G.	1 M USSR	MASSEVITCH A.G.	1 M USSR
GRIFFIN G.	2 M USA			KUMAGAI S.	2 CM JAPAN	HATTE N.M.	4 M CANAD
GRIGOLIOUK E.I.	2 M USSR	JACCHIA L.G.	1 M USA	KURNOSOVA L.V.	1 CM USSR	MAXWELL R.	HM UK
GRIGORIAN S.S.	2 M USSR	JAFFE L.	2 M USA	KURT V.G.	1 M USSR	MAXWELL W.R.	2 CM UK
GRIGORIEV A.I.	3 M USSR	JAMES G.S.	4 M USA	KUTIEV I.	1 M BULGA	MAYO A.M.	3 M USA
GROVES G.V.	1 M UK	JASENTULIYANA N.	4 CM SRI L	KUZNETSOV A.G.	3 M USSR	MEHMUD S.	2 M PAKIS
GROZA P.	3 CM RUMAN	JASTROW R.	1 M USA	LABITZKE K.	1 M FRG	MELLORS W.J.	4 M UK
GRUAV J.	2 CM FRANC	JAUKOVIC D.	2 CM YUGOS	LACHS M.	HM NETHE	MENTER M.	4 M USA
GUALTIEROTTI T.	3 CM ITALY	JAUMOTTE A.	2 M BELGI	LACKNER J.R.	3 M USA	METTLER R.	2 M USA
GUENIN A.M.	3 M USSR	JEFFERIS A.K.	2 M UK	LAFONTAINE E.	3 M FRANC	MIELE A.	2 M USA
GUENOCHÉ H.	1 CM FRANC	JOACHIM R.	2 CM DDR	LAIDET L.	2 CM FRANC	MIGNOT N.	2 M FRANC
GUERRIERO L.	1 CM ITALY	JOHNSON D.S.	1 M USA	LAL D.	1 M INDIA	MILLAN D.G.	2 CM SPAIN
GULLSTRAND T.	2 M SWEDE	JOHNSON J.A.	4 CM USA	LAMBERTSEN C.J.	3 M USA	MILLER R.H.	2 M USA
GURJIAN A.	3 M USSR	JOHNSON R.L.	3 M USA	LANSBERG M.P.	3 CM NETHE	MIRZOYAN L.V.	1 CM USSR
		JOHNSON W.H.	3 CM CANAD	LARMORE L.	1 CM USA	MISHEV D.N.	1 M BULGA
HAANAPPEL P.P.C.	4 M CANAD	JOHNSTON R.S.	3 M USA	LAUSCHNER E.A.	3 M FRG	MITCHELL R.E.	3 CM USA
HABER B.D.	2 CM USA	JONES W.L.	3 M USA	LAWLESS J.G.	3 M USA	MITRA A.P.	1 M INDIA
HADJIOLOFF A.I.	3 CM BULGA	JORDAN H.L.	1 M FRG	LAYTON J.P.	2 M USA	MODI V.J.	2 CM CANAD
HAERENDEL G.	1 M FRG	JORDAN P.	1 CM FRG	LEACH-HUNTOON C.S.	3 M USA	MOHLER S.R.	3 CM USA
HALL A.C.	2 CM USA	JOST W.	2 M FRG	LEBEAU A.	4 M FRANC	MOISSEEV M.N.	1 M USSR
HALL R.C.	4 CM USA	JUGIN M.	4 CM YUGOS	LEES L.	2 M USA	MONEY K.E.	3 CM CANAD
HANSEN G.L.	2 M USA			LEITMANN G.	2 CM USA	MONFILS A.G.	1 CM BELGI
HARFORD J.J.	4 CM USA	KANE F.X.	2 M USA	LEMAIRE R.R.	3 CM FRANC	MONTI R.	2 M ITALY
HARTL P.	2 M FRG	KANTROWITZ A.	2 M USA	LEONOV A.A.	2 M USSR	MOORE J.R.	2 CM USA
HAWKINS W.R.	3 CM USA	KAPLAN J.	1 M USA	LEVY M.	1 CM FRANC	MORRIS Jr. D.P.	3 CM USA
HAWTHORNE W.R.	2 M UK	KAZARIAN L.E.	3 CM USA	LIANG S.	2 M CHINA	MORY R.	2 M FRANC
HAYAKAWA S.	1 M JAPAN	KELLEY A.J.	2 CM USA	LIBBY P.A.	2 CM USA	MOSKALENKO Y.E.	3 CM USSR
HEATH G.W.	3 M USA	KELLOGG W.W.	1 M USA	LIEPMANN H.W.	2 M USA	MOUTSOULAS M.D.	1 M GREEC
HELVEY W.M.	3 CM USA	KERWIN J.P.	3 M USA	LIGHTHILL M.J.	2 M UK	MUELLER G.E.	2 M USA
HENRICI J.J.T.	2 CM SPAIN	KHODAREV J.K.	2 CM USSR	LILLEY A.E.	1 CM USA	MULLER B.H.C.	3 M FRG
HENRY J.P.	3 M USA	KING-HELE D.G.	1 M UK	LIN C.C.	1 CM USA	MULLER E.	2 CM SWITZ
HERTZBERG A.	2 CM USA	KINNEMAN Jr.R.E.	3 CM USA	LIN H.	2 M USA	MULLER E.A.	3 CM FRG
HIBBS A.R.	1 M USA	KIRSCH K.	3 CM FRG	LO R.E.	2 M FRG	MURTHY H.G.S.	2 CM USA
HICKMAN P.	2 M UK	KLEIN H.P.	3 CM USA	LOBB R.K.	2 CM USA	MUSGRAVE S.	3 M USA
HIDEG J.	3 CM HUNGA	KLEIN K.E.	3 M FRG	LOGSDON J.M.	4 M USA	MacQUEEN R.M.	1 CM USA
HILL W.S.	1 M URUGU	KLEINKNECHT K.S.	2 CM USA	LOITSIANSKY L.G.	2 M USSR	McCALLY M.	3 CM USA
HIRAO K.	2 M JAPAN	KNOERNSCHILD E.M.	2 M FRG	LOMONACO T.	3 M ITALY	McELROY M.B.	1 CM USA
HJERTSTRAND A.	2 M SWEDE	KNOTT J.E.	HM USA	LOVELACE A.M.	2 M USA	McIVER R.G.	3 CM USA
HOAG O.	2 M USA	KOELLE D.E.	2 M FRG	LOVELL B.	1 M UK	McLUCAS J.L.	2 M USA
HOFF N.J.	2 CM USA	KOELLE H.H.	2 M FRG	LU B-W.	1 M CHINA		
HOFFMAN S.K.	2 CM USA	KOLDER H.	3 CM USA	LU Y.	2 M CHINA	NAPOLITANO L.G.	1 M ITALY
HOFFMANN H.	2 M FRG	KOLOSOV Y.M.	4 M USSR	LUFT U.	3 M USA	NEVADOVIC M.	2 CM YUGOS
HOMICK J.L.	3 CM USA	KONDRATYEV K.Y.	1 M USSR	LUEST R.	1 M FRG	NESTOROV G.T.	1 M BULGA
HORAK Z.	1 CM CZECH	KONECCI E.B.	3 M USA	LYUBIMOV G.A.	1 CM USSR	NEWKIRK Jr. G.A.	1 CM USA
HOSENBALL S.N.	4 M USA	KOPAL V.	4 M CZECH			NICHOLSON A.N.	3 CM UK
HOUGHTON J.T.	1 M UK	KOPAL Z.	1 M UK			NICOGOSSIAN A.E.T.	3 HM USA
HOUGHTON K.H.	3 M USA	KOROBENNIKOV V.P.	1 M USSR	MACHO L.	3 M CZECH	NIKOLAYEV A.	HM USSR
HOUZIAUX L.N.	1 CM BELGI	KOTELNIKOV V.A.	2 M USSR	MADON P.	2 M FRANC	NIKOLAYEVA-TERESHKOVA V.	HM USSR
				MAEDA K.I.	1 M JAPAN		

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NITA N.M.	2 CM RUMAN	PROKOFIEV V.K.	1 M USSR	SCHWEICKART R.L.	2 CM USA	TAKAGI N.	2 CM JAPAN
NOMURA T.	2 M JAPAN	PUCKETT A.E.	2 M USA	SEAMANS Jr. R.C.	2 M USA	TALBOT J.M.	3 M USA
NONWEILER T.R.	2 CM NEWZE	PUGH L.G.C.	3 CM UK	SEARS W.R.	2 M USA	TANAKA Y.	1 M JAPAN
NOYES R.W.	1 CM USA	PUPPI G.	1 CM ITALY	SEATON M.J.	1 M UK	TAPIA SALINA L.	4 CM SPAIN
OBAYASHI T.	1 M JAPAN	RAJAN Y.S.	1 M INDIA	SEDOV L.I.	2 M USSR	TARANIK J.V.	2 CM USA
OBERTH H.	2 M FRG	RAMBAUT P.C.	3 M USA	SEM-JACOBSEN C.W.	3 CM NORWA	TARTER J.C.	1 CM USA
OCCHIALINI G.	2 CM ITALY	RAMNATH R.V.	2 CM USA	SERAFIMOV K.B.	2 M BULGA	THORNTON W.E.	3 CM USA
ODA M.	1 M JAPAN	RAMO S.	2 M USA	SEVASTIANOV V.I.	2 M USSR	TIMMAT Y.M.	2 CM ISRAE
OHMAN Y.	1 CM SWED	RANNIE W.D.	2 CM USA	SEVERNY A.B.	1 M USSR	TOBIAS C.A.	3 CM USA
OOSTERVELD W.J.	3 M NETHE	RAO U.R.	2 M INDIA	SHAPLAND D.J.	2 M UK	TOUSEY R.	1 M USA
OPPENHEIM A.K.	2 M USA	RASOOL S.I.	1 M USA	SHEFOV N.N.	1 CM USSR	TOWNSEND Jr. J.W.	1 M USA
ORDWAY III F.I.	4 M USA	RAUSCHENBACH B.V.	2 M USSR	SHEN S.F.	2 CM USA	TREDELENBURG E.A.	1 M FRG
OROVEANU T.	1 CM RUMAN	RAWER K.M.A.	1 CM FRG	SHEPELEV E.YA.	3 CM USSR	TRILLING L.	2 CM USA
ORY H.	2 CM FRG	RECHTIN E.	2 M USA	SHEPLER H.G.	2 M UK	TRISKA P.	1 M CZECH
OSWATITSCH K.	2 M AUSTR	REEVES E.M.	1 CM USA	SHULZHENKO E.B.	3 M USSR	TSAO H.	2 M CHINA
		REINTANZ G.	4 CM DDR	SILVERSTEIN A.	2 M USA	TSEREN C.	1 M MONGO
PACE N.	3 CM USA	REISSNER E.	2 M USA	SIMPSON J.A.	1 M USA	UNSOLD A.	1 M FRG
PACZKOYSKI Z.E.	2 CM POLAN	REMONDIERE A.	2 M FRANC	SINGER J.	2 M ISRAE	USUNIER P.	2 M FRANC
PAGE E.D.	1 M UK	REN X.	2 M CHINA	SINGER S.F.	1 M USA		
PAI S.I.	2 CM USA	RENDULIC Z.	2 M YUGOS	SKRYABIN G.K.	3 M USSR	VAGLIO-LAURIN R.	2 CM USA
PAINE T.O.	2 M USA	RESLER Jr. E.L.	2 CM USA	SKURIDIN G.	1 M USSR	VAISBERG O.L.	1 M USSR
PAPAGIANNIS M.D.	1 M USA	REYNOLDS O.E.	3 M USA	SLATER A.E.	3 CM UK	VALLERANI E.	2 M ITALY
PARDOE G.K.C.	2 M UK	RIEDLER W.	1 M AUSTR	SLOTKIN A.L.	4 M USA	VAN ALLEN J.A.	1 M USA
PARKER E.N.	1 M USA	RISHBETH H.	1 M UK	SMITH M.S.	4 CM USA	VAN REETH G.	4 M BELGI
PARKINSON R.C.	2 M UK	ROADMAN C.H.	3 CM USA	SOKOLSKY V.N.	4 M USSR	VANDENKERCKHOVE J.A.P.	2 M BELGI
PARTON V.Z.	1 CM USSR	ROBERTS W.O.	1 M USA	SOLOUKHIN R.I.	1 CM USSR	VASILEVSKAYA E.G.	4 CM USSR
PATTERSON Jr. J.L.	3 CM USA	ROOT L.E.	2 CM USA	SPENCER N.W.	1 CM USA	VERESHCHETIN V.S.	4 M USSR
PEDERSEN K.S.	4 M USA	ROSETTI C.	2 CM FRG	SPILHAUS A.	1 M USA	VINCENTI W.G.	2 CM USA
PENDRAY G.E.	2 CM USA	ROSSELAND S.	1 M NORWA	SPITZER L.	1 M USA	VINH N.X.	2 CM USA
PENNER S.S.	2 M USA	ROTONDO G.	3 M ITALY	STAATS A.F.	4 M FRG	VINOGRAD S.P.	3 M USA
PEPIN E.	4 M FRANC	ROY P.K.	4 CM CANAD	STAFFORD T.P.	2 M USA	VIOLETTE F.M.	3 M FRANC
PEREK L.	1 M CZECH	RUPE H.O.	2 M FRG	STAPP J.P.	3 M USA	VON ARDENNE M.	2 CM DDR
PERKINS C.D.	2 M USA	RYAZANTSEV YU.S.	1 M USSR	STEGEMANN J.P.	3 CM FRG	VON BAUMGARTEN R.J.	3 M FRG
PESEK R.	2 M CZECH	RYCROFT M.J.	1 M UK	STEHLING K.R.	2 CM USA	VON BECKH H.	3 M USA
PETERSON L.H.	3 CM USA	RYDBECK O.E.H.	1 CM SWEDE	STEINHOFF E.A.	2 M USA	VON GIERKE H.E.	3 M USA
PETROV G.I.	2 M USSR	RYUMIN V.V.	HM USSR	STEPANOV G.YU.	1 CM USSR	VON WEIZSAKER C.F.	1 M FRG
PHELIZON G.	2 CM FRANC			STEPHENS W.H.	2 M UK	VORIS F.B.	3 M USA
PICKERING W.H.	2 M USA	SAGAN C.	1 M USA	STEVER H.G.	2 M USA	VOROBYOV E.	3 M USSR
PIKUS I.M.	4 CM USA	SAGDEEV R.S.	1 M USSR	STEWART H.J.	2 M USA		
PIRADOV A.S.	4 M USSR	SAIKI H.	3 M JAPAN	STILLER H.	1 M GDR	WAGNER H.G.	2 CM FRG
PIRIE N.W.	3 M UK	SAITO S.	2 M JAPAN	STOEWER H.	2 M FRG	WALDMEIER H.G.	1 CM SWITZ
PIRUZIAN L.A.	3 M USSR	SAKSONOV P.P.	3 CM USSR	STONE E.C.	1 M USA	WALKER D.M.C.	1 M UK
PISARENKO G.S.	1 M USSR	SALKLED R.J.	2 CM USA	STORMS H.A.	2 CM USA	WANG D-H.	1 M CHINA
PLOMAN E.W.	4 M SWEDE	SANCHEZ-PENA M.	2 M ARGEN	STROM G.O.F.	3 M SWEDE	WELSH E.C.	4 CM USA
POGGI J.C.	2 M FRANC	SANDLER H.	3 CM USA	STRONG J.D.	1 M USA	WHEELON B.	2 M USA
POLYARNY A.I.	2 CM USSR	SANTINI P.	2 M ITALY	STRUBBS R.A.	3 CM CANAD	WHIPPLE F.L.	1 M USA
PONTRYAGIN L.S.	HM USSR	SANZ ARANGUEZ S.	2 CM SPAIN	STRUMZA M.V.	3 M FRANC	WHITE R.M.	1 M USA
POOL S.L.	3 M USA	SARKISJAN S.A.	4 M USSR	STUHLINGER E.	2 M USA	WHITE S.C.	3 M USA
POPISIL M.	3 M CZECH	SATO H.	2 CM JAPAN	SUBOTOWICZ M.	1 CM POLAN	WHITESIDE T.C.D.	3 M UK
POPOV B.S.	1 CM YUGOS	SCANO A.	3 M ITALY	SUMMERFIELD M.	2 M USA	WHITTINGHAM H.E.	3 M UK
PORTER R.W.	2 CM USA	SCHACHTER O.	4 M USA	SUN J.	2 M CHINA	WIDNALL S.	2 M USA
POVEDA A.	1 CM MEXI	SCHAEFER H.J.	3 M USA	SUOMI V.E.	1 M USA	WILKINS D.E.B.	2 M UK
PRASLICKA M.	3 M CZECH	SCHAIRER G.S.	2 M USA	SUTTON G.P.	2 M USA	WILSON A.G.	1 CM USA
PRITCHARD W.L.	2 CM USA	SCHANDA E.	1 M SWITZ	SVETSKA Z.	1 M NETHE	WILSON R.	1 M UK
PRIYATNA A.	4 CM INDON	SCHILLING M.	2 CM USA	SYCHEV V.V.	2 CM USSR	WILSON T.A.	4 M USA
PROBSTEN R.F.	2 CM USA	SCHINDL K.	3 CM AUSTR			WINCKLER J.R.	1 M USA
PROCTOR L.D.	3 CM USA	SCHRIEVER B.A.	2 M USA			WINTER A.E.	3 CM CANAD

WINTER D.L. 3 CM USA
WINTERBERG F. 1 CM USA
WOLFE M.G. 3 CM USA
WRIGLEY W. 2 M USA

YANG J. 2 M CHINA
YANG N. 2 M CHINA
YARDLEY J.F. 2 M USA
YARYMOVYCH M.I. 2 M USA
YAVORSKAYA-SHAPSHAL I.M. 1 CM USSR
YAZDOVSKY V.I. 3 M USSR
YELISEYEV A.S. 2 M USSR
YORK H.F. 2 M USA

ZELDOVICH Y.B. 1 M USSR
ZEMANEK K. 4 CM AUSTR
ZHUANG F. 2 M CHINA
ZHUKOV G.P. 4 M USSR



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STATISTICS ON IAA BY COUNTRY

up date 04/01/86

COUNTRY	CM1	M1	CM2	M2	CM3	M3	CM4	M4	TOTAL	%
Argentina				1				2	3	0.44
Australia	1	1	1						3	0.44
Austria		3		1	1		1	1	7	1.02
Belgium	3	1		2		1		1	8	1.17
Bulgaria		4		2	1				7	1.02
Canada			1		4	1	1	2	9	1.32
China		2		10					12	1.75
Czechoslovakia	1	3		2		3		1	10	1.46
Denmark	1				1	1			3	0.44
F R G	3	8	6	11	5	8		3	44	6.43
France	6	9	5	19	2	3	1	5	50	7.31
G D R	1	1	2				1		5	0.73
Greece		1							1	0.15
Hungary	2	2			1		1		6	0.88
India		3		1					4	0.58
Indonesia							1		1	0.15
Israel			1	1					2	0.29
Italy	4	2	5	9	2	3			25	3.65
Japan		7	4	4		2			17	2.49
Korea				1					1	0.15
Mexico	1						1		2	0.29
Mongolia		1							1	0.15
Netherlands		2			1	1		1	5	0.73
New Zealand		1	1						2	0.29
Norway		1			1				2	0.29
Pakistan				1					1	0.15
Poland	1		1	1		1	1		5	0.73
Rumania	2		2		2				6	0.88
Singapore		1							1	0.15
Spain			4				1		5	0.73
Sri Lanka				1			1		2	0.29
Sweden	2	4		3		3		1	13	1.90
Switzerland	1	2	1						4	0.58
U K	3	19	3	14	4	5		4	52	7.60
U S A	18	33	48	69	36	37	10	20	271	39.62
U S S R	10	25	5	13	5	15	1	6	80	11.70
Uruguay		1							1	0.15
Venezuela					1				1	0.15
Yugoslavia	2		4	2		3	1		12	1.75
	62	137	94	168	67	87	22	47	684	100.00

Nb Countries: 39

SECTION 1 BASIC SCIENCES

MEMBERS

CARVER J.H. 1 M AUSTL
BAUER S. 1 M AUSTR
CAP F. 1 M AUSTR
RIEDLER W. 1 M AUSTR
ACKERMAN M.E.H. 1 M BELGI
MISHEV D.N. 1 M BULGA
NESTOROV G.T. 1 M BULGA
GOGOSHEV M.M. 1 M BULGA
KUTIEV I. 1 M BULGA
LU B-W. 1 M CHINA
WANG D-H. 1 M CHINA
BUMBA V. 1 M CZECH
PEREK L. 1 M CZECH
TRISKA P. 1 M CZECH
AUGER P. 1 M FRANC
BLAMONT J.E. 1 M FRANC
CURRIEN H. 1 M FRANC
DENISSE J.F. 1 M FRANC
DOLLFUS A. 1 M FRANC
MARCHAL C.L. 1 M FRANC
BONNET R.M. 1 M FRANC
FEHRENBACH C. 1 M FRANC
KOVALEVSKY J. 1 M FRANC
FEUERBACHER B. 1 M FRG
HAERENDEL G. 1 M FRG
JORDAN H.L. 1 M FRG
LABITZKE K. 1 M FRG
LUEST R. 1 M FRG
TREDELENBURG E.A. 1 M FRG
UNSOLD A. 1 M FRG
VON WEIZSACKER C.F. 1 M FRG
STILLER H. 1 M GDR
MOUTSOULAS M.D. 1 M GREEC
ALMAR I.J. 1 M HUNG
MARX G. 1 M HUNGA
LAL D. 1 M INDIA
MITRA A.P. 1 M INDIA
RAJAN Y.S. 1 M INDIA
AMALDI E. 1 M ITALY
NAPOLITANO L.G. 1 M ITALY
AKASOFU S.I. 1 M JAPAN
HAYAKAWA S. 1 M JAPAN
HIRAO K. 1 M JAPAN
MAEDA K.I. 1 M JAPAN
OBAYASHI T. 1 M JAPAN
ODA M. 1 M JAPAN
TANAKA Y. 1 M JAPAN
TSEREN C. 1 M MONGO
DE JAGER C. 1 M NETHE
SVETSKA Z. 1 M NETHE

ROSSELAND S. 1 M NORWA
CHONG Y.J. 1 M SINGA
ALFVEN H.O.G. 1 M SWEDE
BOLIN B.R.J. 1 M SWEDE
FALTHAMMAR C-G. 1 M SWEDE
HULTQVIST B.K.G. 1 M SWEDE
GEISS J. 1 M SWITZ
SCHANDA E. 1 M SWITZ
AXFORD W.I. 1 M UK
BAKER D. 1 M UK
BATES D.R. 1 M UK
BONDI H. 1 M UK
DALE D. 1 M UK
DALGARNO A. 1 M UK
DAVIES J.G. 1 M UK
DAVIES J.K. 1 M UK
GROVES G.V. 1 M UK
KING-HELE D.G. 1 M UK
KOPAL Z. 1 M UK
LOVELL B. 1 M UK
PAGE E.D. 1 M UK
RISHBETH H. 1 M UK
RYCROFT M.J. 1 M UK
SEATON M.J. 1 M UK
WALKER D.M.C. 1 M UK
WILSON R. 1 M UK
HOUGHTON J.T. 1 M UK
HILL W.S. 1 M URUGU
ARNOLD J.R. 1 M USA
CHANDRASEKHAR S. 1 M USA
CLARK J.F. 1 M USA
COLEMAN Jr P.J. 1 M USA
FRIEDMAN H. 1 M USA
GARRIOT D.K. 1 M USA
GETTING I.A. 1 M USA
GIACCONI R. 1 M USA
GOLD T. 1 M USA
HIBBS A.R. 1 M USA
JACCHIA L.G. 1 M USA
JASTROW R. 1 M USA
JOHNSON D.S. 1 M USA
KAPLAN J. 1 M USA
KELLOGG W.W. 1 M USA
PAPAGIANNIS M.D. 1 M USA
PARKER E.N. 1 M USA
RASOOL S.I. 1 M USA
ROBERTS W.O. 1 M USA
SAGAN C. 1 M USA
SIMPSON J.A. 1 M USA
SINGER S.F. 1 M USA
SPILHAUS A. 1 M USA
SPITZER L. 1 M USA
STONE E.C. 1 M USA
STRONG J.D. 1 M USA
SUOMI V.E. 1 M USA
TOUSEY R. 1 M USA
TOWNSEND Jr. J.W. 1 M USA
VAN ALLEN J.A. 1 M USA
WHIPPLE F.L. 1 M USA
WHITE R.M. 1 M USA

WINCKLER J.R. 1 M USA
AMBARTSUMIAN S. A. 1 M USSR
AMBARTSUMIAN V.A. 1 M USSR
BELOTSEKOVSKY O.M. 1 M USSR
DOUBOCHINE G.M. 1 M USSR
GALEEV A.A. 1 M USSR
GALPERIN Y.I. 1 M USSR
GINZBURG V.L. 1 M USSR
GOGOSOV V.V. 1 M USSR
KONDRATYEV K.Y. 1 M USSR
KOROBENIKOV V.P. 1 M USSR
KRASSOVSKY V.I. 1 M USSR
KULIKOVSKY A.G. 1 M USSR
KURT V.G. 1 M USSR
MANDELSTAM S. 1 M USSR
MAROV M.YA. 1 M USSR
MASSEVITCH A.G. 1 M USSR
SEVERNY A.B. 1 M USSR
SKURIDIN G. 1 M USSR
VAISBERG O.L. 1 M USSR
ZELDOVICH Y.B. 1 M USSR
MOISSEEV M.N. 1 M USSR
PISARENKO G.S. 1 M USSR
PROKOFIEV V.K. 1 M USSR
RYAZANTSEV YU.S. 1 M USSR
SAGDEEV R.S. 1 M USSR

SECTION 1 BASIC SCIENCES

CORRESPONDING MEMBERS

HUXLEY L.G.H. 1 CM AUSTL
BRASSEUR G. 1 CM BELGI

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MONFILS A.G. 1 CM BELGI
HOUZIAUX L.N. 1 CM BELGI
HORAK Z. 1 CM CZECH
FISCHER H.J. 1 CM DDR
ANDERSEN C.E. 1 CM DENMA
BARLIER F. 1 CM FRANC
CAMBOU F. 1 CM FRANC
CLAVIN P. 1 CM FRANC
LEVY M. 1 CM FRANC
GUENOCHÉ H. 1 CM FRANC
HUSSON J.C. 1 CM FRANC
DIEMINGER W. 1 CM FRG
JORDAN P. 1 CM FRG
RAWER K.M.A. 1 CM FRG
BALAZS B. 1 CM HUNG
BARTA G. 1 CM HUNG
CIMINO M. 1 CM ITALY
GRATTON L. 1 CM ITALY
GUERRIERO L. 1 CM ITALY
PUPPI G. 1 CM ITALY
POVEDA A. 1 CM MEXI
SUBOTOWICZ M. 1 CM POLAN
DRAMBA C. 1 CM RUMAN
OROYANU T. 1 CM RUMAN
OHMAN Y. 1 CM SWED
RYDBECK O.E.H. 1 CM SWEDE
WALDMER H.G. 1 CM SWITZ
BEYNOW W.J.G. 1 CM UK
BLACKWELL D.E. 1 CM UK
BOYD R.L. 1 CM UK
ARRHENIUS G. 1 CM USA
BOWYER C.S. 1 CM USA
CHUBB T.A. 1 CM USA
CODE A. 1 CM USA
HUNDHAUSEN A. 1 CM USA
KUETTNER J.P. 1 CM USA
LARMORE L. 1 CM USA
LILLEY A.E. 1 CM USA
LIN C.C. 1 CM USA
MacQUEEN R.M. 1 CM USA
McELROY M.B. 1 CM USA
NEWKIRK Jr. G.A. 1 CM USA
NOYES R.W. 1 CM USA
REEVES E.M. 1 CM USA
SPENCER N.W. 1 CM USA
TARTER J.C. 1 CM USA
WILSON A.G. 1 CM USA
WINTERBERG F. 1 CM USA
BOYARCHUK A.A. 1 CM USSR
CHUDAKOV A.E. 1 CM USSR
KURNOSOVA L.V. 1 CM USSR
LYUBIMOV G.A. 1 CM USSR
MIRZOYAN L.V. 1 CM USSR
PARTON V.Z. 1 CM USSR
SHEFOV N.N. 1 CM USSR
SOLOUKHIN R.I. 1 CM USSR
STEPANOV G.YU. 1 CM USSR
YAVORSKAYA-SHAPSHA 1 CM USSR
ANDJELIC T.P. 1 CM YUGOS
POPOV B.S. 1 CM YUGOS

up date 04/01/86

SECTION 2 ENGINEERING SCIENCES

MEMBERS

SANCHEZ-PENA M.	2 M	ARGEN	BENIGNI C.	2 M	ITALY
OSWATITSCH K.	2 M	AUSTR	BONIFACIO R.	2 M	ITALY
JAUMOTTE A.	2 M	BELGI	BROGLIO L.	2 M	ITALY
VANDENKERCKHOVE J.A.	2 M	BELGI	DE LEO M.	2 M	ITALY
ARSHIMOV I.S.	2 M	BULGA	EULA A.	2 M	ITALY
SERAFIMOV K.B.	2 M	BULGA	FERRARI C.	2 M	ITALY
CAI J.	2 M	CHINA	MONTI R.	2 M	ITALY
CHEN F-Y	2 M	CHINA	SANTINI P.	2 M	ITALY
LIANG S.	2 M	CHINA	VALLERANI E.	2 M	ITALY
LU Y.	2 M	CHINA	HIRAO K.	2 M	JAPAN
REN X.	2 M	CHINA	ITOKAWA H.	2 M	JAPAN
SUN J.	2 M	CHINA	NOHURA T.	2 M	JAPAN
TSAO H.	2 M	CHINA	SAITO S.	2 M	JAPAN
YANG J.	2 M	CHINA	CHOI K.H.	2 M	KOREA
YANG N.	2 M	CHINA	MEHMUD S.	2 M	PAKIS
ZHUANG F.	2 M	CHINA	FISZDON W.	2 M	POLAN
KOZESNIK J.	2 M	CZECH	BERNDT S.B.	2 M	SWEDE
PESEK R.	2 M	CZECH	GULLSTRAND T.	2 M	SWEDE
BARRERE M.	2 M	FRANC	HJERTSTRAND A.	2 M	SWEDE
BIGNIER M.C.M.	2 M	FRANC	CLARKE A.C.	2 M	UK
BOUTTES J.G.	2 M	FRANC	BOLTON G.R.	2 M	UK
CHEVALIER R.	2 M	FRANC	CONCHIE P.J.	2 M	UK
CONTENSOU P.	2 M	FRANC	HAWTHORNE W.R.	2 M	UK
CORBEAU J.	2 M	FRANC	HICKMAN P.	2 M	UK
D'ALLEST F.	2 M	FRANC	JEFFERIS A.K.	2 M	UK
DORDAIN J.J.	2 M	FRANC	LIGHTHILL M.J.	2 M	UK
MADON P.	2 M	FRANC	MARTIN A.R.	2 M	UK
MALAVARD L.	2 M	FRANC	PARDOE G.K.C.	2 M	UK
MAREC J.P.	2 M	FRANC	PARKINSON R.C.	2 M	UK
MIGNOT N.	2 M	FRANC	SHAPLAND D.J.	2 M	UK
POGGI J.C.	2 M	FRANC	SHEPHERD L.R.	2 M	UK
REMONDIERE A.	2 M	FRANC	STEPHENS W.H.	2 M	UK
CARPENTIER J.	2 M	FRANC	WILKINS D.E.B.	2 M	UK
GERMAIN P.	2 M	FRANC	ALDRIN B.	2 M	USA
MORY R.	2 M	FRANC	ALLEN L. Jr.	2 M	USA
USUNIER P.	2 M	FRANC	ASHLEY H.	2 M	USA
MANSON N.	2 M	FRANC	AUGUSTINE N.R.	2 M	USA
HARTL P.	2 M	FRG	BALLHAUS W. Jr.	2 M	USA
HOFFMANN H.	2 M	FRG	BATTIN R.H.	2 M	USA
JOST W.	2 M	FRG	BEGGS J.M.	2 M	USA
KNOERNSCHILD E.M.	2 M	FRG	BREAKWELL J.V.	2 M	USA
KOELLE D.E.	2 M	FRG	BUSEMAN A.	2 M	USA
KOELLE H.H.	2 M	FRG	CHARYK J.V.	2 M	USA
LO R.E.	2 M	FRG	CROCCO L.	2 M	USA
OBERTH H.	2 M	FRG	DELAUER R.D.	2 M	USA
RUPPE H.O.	2 M	FRG	DRAPER C.S.	2 M	USA
STOEWER H.	2 M	FRG	DUFFY R.	2 M	USA
BEICHEL R.	2 M	FRG	EDELSON B.I.	2 M	USA
RAO U.R.	2 M	INDIA	FAGET M.A.	2 M	USA
SINGER J.	2 M	ISRAE	FINK D.J.	2 M	USA
			FLAX A.H.	2 M	USA
			FLETCHER J.C.	2 M	USA
			GAVIN J.Jr.	2 M	USA
			GILRUTH R.R.	2 M	USA
			GOLDSTEIN S.	2 M	USA
			GREY J.	2 M	USA
			GRIFFIN G.	2 M	USA
			HANSEN G.L.	2 M	USA
			HOAG D.	2 M	USA
			HUNTER II M. W.	2 M	USA

SECTION 2 ENGINEERING SCIENCES

CORRESPONDING MEMBERS

BUTEMENT W.A.S.	2 CM	AUSTL	DIXON T.F.	2 CM	USA
MODI V.J.	2 CM	CANAD	FLEISIG R.	2 CM	USA
JOACHIM R.	2 CM	DDR	HABER B.D.	2 CM	USA
VON ARDENNE M.	2 CM	DDR	HALL A.C.	2 CM	USA
DORLEAC B.	2 CM	FRANC	HERTZBERG A.	2 CM	USA
PHELIZON G.	2 CM	FRANC	HOFF N.J.	2 CM	USA
GENTY R.	2 CM	FRANC	HOFFMAN S.K.	2 CM	USA
GRUAU J.	2 CM	FRANC	HYATT A.	2 CM	USA
LAIDET L.	2 CM	FRANC	KELLEY A.J.	2 CM	USA
BENECKE T.	2 CM	FRG	KLEINKNECHT K.S.	2 CM	USA
BLENK H.	2 CM	FRG	LEITMANN G.	2 CM	USA
ENGEL R.	2 CM	FRG	LIBBY P.A.	2 CM	USA
ORY H.	2 CM	FRG	LOBB R.K.	2 CM	USA
ROSETTI C.	2 CM	FRG	MOORE J.R.	2 CM	USA
WAGNER H.G.	2 CM	FRG	MURTHY H.G.S.	2 CM	USA
TIMMAT Y.M.	2 CM	ISRAE	PAI S.I.	2 CM	USA
BUONGIORNO C.	2 CM	ITALY	PENDRAY G.E.	2 CM	USA
CARRARA N.	2 CM	ITALY	PORTER R.W.	2 CM	USA
CASCI C.	2 CM	ITALY	PRITCHARD W.L.	2 CM	USA
GABRIELLI G.	2 CM	ITALY	PROBSTEN R.F.	2 CM	USA
OCCHIALINI G.	2 CM	ITALY	RAMHATH R.V.	2 CM	USA
AKIBA R.	2 CM	JAPAN	RANNIE W.D.	2 CM	USA
KUMAGAI S.	2 CM	JAPAN	RESLER Jr. E.L.	2 CM	USA
SATO H.	2 CM	JAPAN	ROOT L.E.	2 CM	USA
TAKAGI N.	2 CM	JAPAN	SALKELD R.J.	2 CM	USA
NONWEILER T.R.	2 CM	NEWZE	SCHILLING M.	2 CM	USA
PACZKOVSKI Z.E.	2 CM	POLAN	SCHWEICKART R.L.	2 CM	USA
CONSTANTINESCU V.N.	2 CM	RUMAN	SHEN S.F.	2 CM	USA
NITA N.M.	2 CM	RUMAN	STEHLLING K.R.	2 CM	USA
AZCARRAGA A.	2 CM	SPAIN	STORMS H.A.	2 CM	USA
HENRICI J.J.T.	2 CM	SPAIN	TARANIK J.V.	2 CM	USA
MILLAN D.G.	2 CM	SPAIN	TRILLING L.	2 CM	USA
SANZ ARANGUEZ S.	2 CM	SPAIN	VAGLIO-LAURIN R.	2 CM	USA
MULLER E.	2 CM	SWITZ	VINCENTI W.G.	2 CM	USA
ANDREWS E.G.D.	2 CM	UK	VINH N.X.	2 CM	USA
BURT E.G.	2 CM	UK	ALEMASOV V.E.	2 CM	USSR
MAXWELL W.R.	2 CM	UK	DEMENTIEV G.P.	2 CM	USSR
ARNOLD L.	2 CM	USA	KHODAREV J.K.	2 CM	USSR
BAINUM P.M.	2 CM	USA	POLYARNY A.I.	2 CM	USSR
BEKEY I.	2 CM	USA	SYCHEV V.V.	2 CM	USSR
BERGEN W.B.	2 CM	USA	BAZJANAC D.	2 CM	YUGOS
BLASINGAME B.P.	2 CM	USA	JAUKOVIC D.	2 CM	YUGOS
BOGDONOFF S.M.	2 CM	USA	KOTNIK J.	2 CM	YUGOS
BOLGER P.H.	2 CM	USA	NEWADOVIC M	2 CM	YUGOS
BONO P.	2 CM	USA			
BUSSARD R.W.	2 CM	USA			
CHERNE J.M.	2 CM	USA			
CLAUSER F.H.	2 CM	USA			
DAVIS L.I.	2 CM	USA			
DIXON F.P.	2 CM	USA			

SECTION 3 LIFE SCIENCES

MEMBERS

EVRRARD E.	3 M	BELGI
FRANKS W.R.	3 M	CANAD
DYORAK J.	3 M	CZECH
MACHO L.	3 M	CZECH
POSPISIL M.	3 M	CZECH
ERREBO-KNUDSEN E.O.	3 M	DENMA
LAFONTAINE E.	3 M	FRANC
STRUMZA M.V.	3 M	FRANC
VIOLETTE F.M.	3 M	FRANC
BUCKER H.	3 M	FRG
BURCHARD E.C.	3 M	FRG
DRAEGER J.A.	3 M	FRG
FUCHS H.S.	3 M	FRG
KLEIN K.E.	3 M	FRG
LAUSCHNER E.A.	3 M	FRG
MULLER B.H.C.	3 M	FRG
VON BAUMGARTEN R.J.	3 M	FRG
LOMONACO T.	3 M	ITALY
ROTONDO G.	3 M	ITALY
SCANO A.	3 M	ITALY
IGARASHI M.	3 M	JAPAN
SAIKI H.	3 M	JAPAN
OOSTERVELD W.J.	3 M	NETHE
BARANSKI S.	3 M	POLAN
BJURSTEDT H.A.	3 M	SWEDE
CLEMEDSON C.J.	3 M	SWEDE
STROM G.O.F.	3 M	SWEDE
ERNSTING J.	3 M	UK
HOWARD P.	3 M	UK
PIRIE N.W.	3 M	UK
WHITESIDE T.C.D.	3 M	UK
WHITTINGHAM H.E.	3 M	UK
BERRY C.A.	3 M	USA
BILLINGHAM J.	3 M	USA
BREEDING R.E.	3 M	USA
BUCHANAN P.	3 M	USA
DIETLEIN L.F.	3 M	USA
FLICKINGER D.	3 M	USA
GERATHEWOHL S.J.	3 M	USA
GRAYBIEL A.	3 M	USA
HEATH G.W.	3 M	USA
HENRY J.P.	3 M	USA
HOUGHTON K.H.	3 M	USA
JOHNSON R.L.	3 M	USA
JOHNSTON R.S.	3 M	USA
JONES W.L.	3 M	USA
KERWIN J.P.	3 M	USA
KONECCI E.B.	3 M	USA
LACKNER J.R.	3 M	USA
LAMBERTSEN C.J.	3 M	USA

LAWLESS J.G.	3 M	USA
LEACH-HUNTOON C.S.	3 M	USA
LUFT U.	3 M	USA
MARBARGER J.P.	3 M	USA
MAYO A.M.	3 M	USA
MUSGRAVE S.	3 M	USA
NICOGOSSIAN A.E.T.	3 M	USA
POOL S.L.	3 M	USA
RAMBAUT P.C.	3 M	USA
REYNOLDS O.E.	3 M	USA
SCHAEFER H.J.	3 M	USA
STAPP J.P.	3 M	USA
STRUGHOLD H.	3 M	USA
TALBOT J.M.	3 M	USA
VINOGRAD S.P.	3 M	USA
VON BECKH H.	3 M	USA
VON GIERKE H.E.	3 M	USA
VORIS F.B.	3 M	USA
WHITE S.C.	3 M	USA
AKULINICHEV I.T.	3 M	USSR
EGOROV A.D.	3 M	USSR
EGOROV B.B.	3 M	USSR
GAZENKO O.G.	3 M	USSR
GRIGORIEV A.I.	3 M	USSR
GUENIN A.M.	3 M	USSR
GURJIAN A.	3 M	USSR
ILYIN E.A.	3 M	USSR
KOVALEV E.E.	3 M	USSR
KUZNETSOV A.G.	3 M	USSR
PIRUZIAN L.A.	3 M	USSR
SHULZHENKO E.B.	3 M	USSR
SKRYABIN G.K.	3 M	USSR
VOROBYOV E.	3 M	USSR
YAZDOVSKY V.I.	3 M	USSR
ANDJUS R.K.	3 M	YUGOS
DEBIJADJI R.	3 M	YUGOS
DEKLEVA N.	3 M	YUGOS

SECTION 3 LIFE SCIENCES

CORRESPONDING MEMBERS

SCHINDL K.	3 CM	AUSTR
HADJIOLOFF A.I.	3 CM	BULGA
MONEY K.E.	3 CM	CANAD
JOHNSON W.H.	3 CM	CANAD
STUBBS R.A.	3 CM	CANAD
WINTER A.E.	3 CM	CANAD
BONDE-PETERSEN F.	3 CM	DENMA

up date 04/01/86

BIGET P.L.	3 CM	FRANC
LEMAIRE R.R.	3 CM	FRANC
BRIEGLER W.	3 CM	FRG
GRAUL E.H.	3 CM	FRG
KIRSCH K.	3 CM	FRG
MULLER E.A.	3 CM	FRG
STEGEMANN J.P.	3 CM	FRG
HIDEG J.	3 CM	HUNGA
COGOLI A.	3 CM	ITALY
GUALTIEROTTI T.	3 CM	ITALY
LANSBERG M.P.	3 CM	NETHE
SEM-JACOBSEN C.W.	3 CM	NORWA
GROZA P.	3 CM	RUMAN
KREINDLER A.	3 CM	RUMAN
BENSON A.J.	3 CM	UK
NICHOLSON A.N.	3 CM	UK
PUGH L.G.C.	3 CM	UK
SLATER A.E.	3 CM	UK
ADEY W.R.	3 CM	USA
ALLEN W.H.	3 CM	USA
ARMSTRONG R.C.	3 CM	USA
BEISCHER D.E.	3 CM	USA
BLACKBURN Jr.L.H.	3 CM	USA
BOURNE G.H.	3 CM	USA
BROWN A.H.	3 CM	USA
CAVAGNA G.A.	3 CM	USA
CRAWFORD J.L.	3 CM	USA
DOUGLAS W.K.	3 CM	USA
HAWKINS W.R.	3 CM	USA
HELVEY W.M.	3 CM	USA
HOMICK J.L.	3 CM	USA
KAZARIAN L.E.	3 CM	USA
KINNEMAN Jr.R.E.	3 CM	USA
KLEIN H.P.	3 CM	USA
KOLDER H.	3 CM	USA
KRATOCHVIL C.H.	3 CM	USA
KRAUSS R.W.	3 CM	USA
MITCHELL R.E.	3 CM	USA
MOHLER S.R.	3 CM	USA
MORRIS Jr. D.P.	3 CM	USA
McCALLY M.	3 CM	USA
McIVER R.G.	3 CM	USA
PACE N.	3 CM	USA
PATTERSON Jr. J.L.	3 CM	USA
PETERSON L.H.	3 CM	USA
PROCTOR L.D.	3 CM	USA
ROADMAN C.H.	3 CM	USA
SANDLER H.	3 CM	USA
SHEPLER H.G.	3 CM	USA
TAYLOR J.H.	3 CM	USA
THORNTON W.E.	3 CM	USA
TOBIAS C.A.	3 CM	USA
WINTER D.L.	3 CM	USA
WOLFE M.G.	3 CM	USA
ADAMOVICH B.A.	3 CM	USSR
GITELSON J.	3 CM	USSR
MOSKALENKO Y.E.	3 CM	USSR
SAKSONOV P.P.	3 CM	USSR
SHEPELEV E.YA.	3 CM	USSR
ALKALA ERMINY J.M.	3 CM	VENEZ

up date 04/01/86

SECTION 4 SOCIAL SCIENCES

MEMBERS

COCCA A.A.	4 M	ARGEN
FERRER Jr. M.A.	4 M	ARGEN
FASAN E.	4 M	AUSTR
VAN REETH G.	4 M	BELGI
MATTE N.M.	4 M	CANAD
HAANAPPEL P.P.C.	4 M	CANAD
KOPAL V.	4 M	CZECH
BOURELY M.G.	4 M	FRANC
CONTANT J.M.	4 M	FRANC
PEPIN E.	4 M	FRANC
DUCROCQ A.	4 M	FRANC
LEBEAU A.	4 M	FRANC
BOCKSTIEGEL K.H.	4 M	FRG
BUEDELER W.	4 M	FRG
STAATS A.F.	4 M	FRG
DIEDERIKS-VERSCHOOR	4 M	NETHE
PLOMAN E.W.	4 M	SWEDE
CARTER L.	4 M	UK
CLEATOR P.E.	4 M	UK
GIBSON R.	4 M	UK
MELLORS W.J.	4 M	UK
BLUTH B.J.	4 M	USA
CHRISTOL C.Q.	4 M	USA
COLLINS M.	4 M	USA
CONRAD Jr. C.	4 M	USA
DEAN A.H.	4 M	USA
DOYLE S.E.	4 M	USA
DURANT III F.C.	4 M	USA
FINCH E.R.	4 M	USA
GALLOWAY E.M.	4 M	USA
GOROVE S.	4 M	USA
GREENBERG J.	4 M	USA
HOSENBALL S.W.	4 M	USA
JAMES G.S.	4 M	USA
LOGSDON J.M.	4 M	USA
MENTER M.	4 M	USA
ORDWAY III F.I.	4 M	USA
PEDERSEN K.S.	4 M	USA
SCHACHTER O.	4 M	USA
SLOTKIN A.L.	4 M	USA
WILSON T.A.	4 M	USA
KOLOSOV Y.M.	4 M	USSR
PIRADOV A.S.	4 M	USSR
SARKISJAN S.A.	4 M	USSR
SOKOLSKY V.N.	4 M	USSR
VERESHCHETIN V.S.	4 M	USSR
ZHUKOV G.P.	4 M	USSR

SECTION 4 SOCIAL SCIENCES

CORRESPONDING MEMBERS

ZEMANEK K.	4 CM	AUSTR
ROY P.K.	4 CM	CANAD
REINTANZ G.	4 CM	DDR
COLLIARD C.	4 CM	FRANC
GAL G.	4 CM	HUNGA
PRIYATNA A.	4 CM	INDON
ALVAREZ HERNANDEZ J	4 CM	MEXIQ
GORBIEL A.	4 CM	POLAN
TAPIA SALINA L.	4 CM	SPAIN
JASENTULIYANA N.	4 CM	SRI L
BERGER H.	4 CM	USA
DESAUSSURE H.	4 CM	USA
FREITAG R.F.	4 CM	USA
FRUTKIN A.W.	4 CM	USA
HALL R.C.	4 CM	USA
HARFORD J.J.	4 CM	USA
JOHNSON J.A.	4 CM	USA
PIKUS I.M.	4 CM	USA
SMITH M.S.	4 CM	USA
WELSH E.C.	4 CM	USA
VASILEVSKAYA E.G.	4 CM	USSR
JUGIN M.	4 CM	YUGOS

HONORARY MEMBERS

BROGLIE DE L.	FRANC
DELORME J.	FRANC
LACHS M.	NETHE
MAXWELL R.	UK
ARMSTRONG N.A.	USA
GLENN Jr.J.H.	USA
KNOTT J.E.	USA
NIKOLAYEV A.	USSR
NIKOLAYEVA-TERESHKOVA V.	USSR
PONTRYAGIN L.S.	USSR
RYUMIN V.V.	USSR



International Academy of Astronautics

Secretariat, 3-5 rue Mario Nikis, 75015 Paris, France
Mail Address, P.O. Box 62, 75722 Paris, Cedex 15, France

June 9, 1986

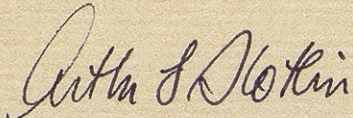
Dr. Sherman P. Vinograd
1606 Fordem Avenue, Apt. 112
Madison, Wisconsin 53704

Dear Dr. Vinograd:

It is my pleasure to provide you with the enclosed certificate of membership in the International Academy of Astronautics. You were elected a full voting Member of Section 3, Life Sciences by the Members of the Section last year and the certificates were distributed to the new Members at the IAA's meeting in Stockholm last October. As the American Co-Secretary of the Academy, I was asked to bring your certificate to the U.S.A. and to present it to you.

I have also mailed your new membership pin to you under separate cover.

Sincerely yours,



Arthur L. Slotkin
Co-Secretary

ALS/sdm

Enclosure

Jean-Michel Contant

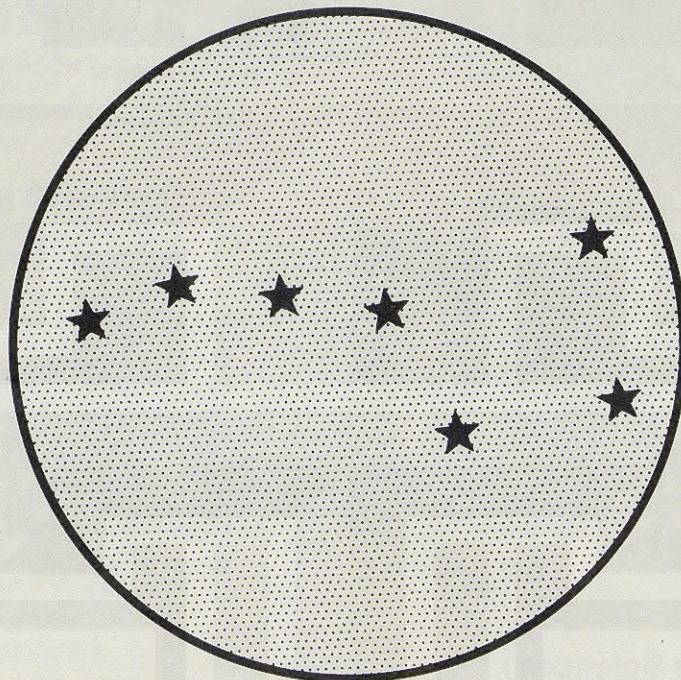
Secretary
c/o Société Nationale Industrielle
Aérospatiale
37, Bd de Montmorency
75016 Paris, France
Telephone: (1) 4.524.43.21
TELEX: 620059F

Arthur L. Slotkin

Co-Secretary
c/o System Development Corporation
8201 Greensboro Drive
McLean, Virginia 22102, USA
Telephone: (703) 847-3503
TELEX: 901129

INTERNATIONAL ACADEMY OF ASTRONAUTICS

organized 1960



INTERNATIONAL ACADEMY OF ASTRONAUTICS, XIIIth REGULAR

MEETING, STOCKHOLM, SWEDEN, OCTOBER 10, 1985.
(Group Picture in front of the full size Tele X Swedish Satellite mock-up)

BOARD OF TRUSTEES



Dr. G.E. MUELLER
(USA)
President

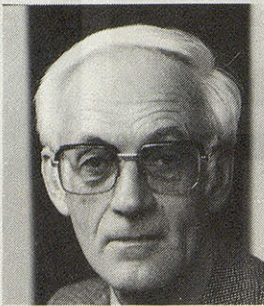


Prof. H. CURIEN
(France)
V.P. Finances



Prof. W. KOTELNIKOV
(USSR)
V.P. Awards & Memberships

SECTION 1 (Basic Sciences)



Prof. C. DE JAGER
(Netherlands)
Chairman



Prof. R. LUST
(FRG)



Prof. R.S. SAGDEEV
(USSR)



Prof. L. NAPOLITANO
(Italy)

SECTION 3 (Life Sciences)



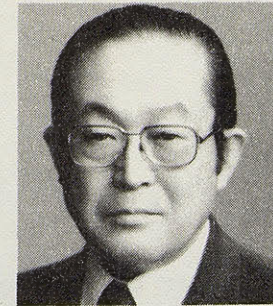
Dr. K.E. KLEIN
(FRG)
Chairman



Prof. O.G. GAZENKO
(USSR)



Dr. A.E.I. NICOGOSSIAN
(USA)



Dr. H. SAKI
(JAPAN)

EX-OFFICIO

The International Academy of Astronautics was formally organized in Stockholm (1960) during the 11th International Astronautical congress. Dr. Theodore von Karman, Chairman of the Founding Committee, was designated as Director of the Academy. It is an international scientific institution devoted to fostering the development of astronautics for peaceful purposes, recognizing individuals who have distinguished themselves in a branch of science or technology related to astronautics, and providing a program through which the membership can contribute to international endeavors and cooperation in the advancement of aerospace science.



Prof. C. DE JAGER
(Netherlands)
President COSPAR



Dr. J. GREY
(USA)
President IAF

INTER



DR. M. YARYM
(USA)
VP Scientific Programs

SECTION



Mr. M. BIGON
(France)
Chairman

SECTION



Mrs. H. GAL
(USA)
Chairman



Dr. I.H. Ph. D. VERSCHOOR
(Netherlands)
President

INTERNATIONAL ACADEMY OF ASTRONAUTICS



DR. M. YARYMOVYCH
(USA)
VP Scientific
Programs



Mr R. GIBSON
(UK)
VP Publications

At the present time the Academy is composed of 11 Honorary Members, 440 Members and 248 Corresponding Members, from 42 nations, divided into four sections: Basic Sciences, Engineering Sciences, Life Sciences, and Social Sciences, making the Academy truly a preeminent body of scientists and engineers in the world today.

The Academy encourages international scientific cooperation through the following committees: Committee on Space Science Studies, Committee on Future Space System Evolution, Committee on the Economics and Benefits of Space Activity, Scientific Legal Liaison Committee, Committee on the History of Astronautics, Committee on Space Safety and Rescue Studies, Committee on Interstellar Space Exploration, and Committee on Space and Global Change. Moreover, the Academy is in the process of creating several new committees to adapt to the needs of science. The Academy publishes the monthly journal ACTA ASTRONAUTICA as well as proceedings dealing with astronautics.

SECTION 2 (Engineering Sciences)



Mr M. BIGNIER
(France)
Chairman



Mr L.R. SHEPHERD
(UK)



Prof. J.J. CHERNYI
(USSR)



Dr. D.E. KOELLE
(FRG)

SECTION 4 (Social Sciences)



Mrs H. GALLOWAY
(USA)
Chairman



**Dr. I.H. Ph. DIEDERIKS-
VERSCHOOR**
(Netherlands)



Dr V. KOPAL
(Czechoslovakia)



Dr V.S. VERESHCHETIN
(USSR)



Dr J. GREY
(USA)
resident IAF



**Dr I.H. Ph. DIEDERIKS-
VERSCHOOR**
(Netherlands)
President IISL



Dr V. KOPAL
(Czechoslovakia)
Legal Counsel



Dr J.M. CONTANT
(France)
Secretary General



Mr A.L. SLOTKIN
(USA)
Co-Secretary

SCIENTIFIC COMMITTEE CHAIRMEN

Committee on Space Sciences Studies

Chairman : G. HAERENDEL
Vice Chairman : J.F. Denisse (France)

Committee on the Communication with Extraterrestrial Intelligence

Chairman : J. Billingham (USA)

Committee on Future Space System Evolution

Chairman : M.C.M. BIGNIER (France)
Co-Chairman : K.P. FEOKTISTOV (USSR)

Committee on Man in Space Studies

Co-Chairmen : D.G. GAZENKO (USSR), K.E. KLEIN (FRG)

Committee on the Economics and Benefits of Space Activity

Chairman : D.E. KOELLE (FRG)
Co-Chairman : J. GREENBERG (USA)

Scientific Legal Liaison Committee

Chairman : M. LACHS (Netherlands)
Co-Chairmen : P. CONTENSOU (France), V. KOPAL (Czechoslovakia)

Committee on the History of Astronautics

Co-Chairmen : F.C. DURANT III (USA), V.N. SOKOLSKY (USSR)

Committee on Space Safety and Rescue Studies

Chairman : G.W. HEATH (USA)
Co-Chairman : J. DVORAK (Czechoslovakia)

Committee on Interstellar Space Exploration

Chairman : L.R. SHEPHERD (UK)
Co-Chairman : I.M. YAVORSKAYA-SHAPSHAL (USSR)

Committee on Space and Global Change

Chairman : Sir H. BONDI (UK)
Co-Chairman : B. EDELSON (USA)

STOCKHOLM 1985



XIIIth Regular Meeting of the International Academy of Astronautics, Stockholm, Sweden, October 10th, 1985.



Professor Reimar Lüst, Director General of the European Space Agency has been elected 1985 recipient of the T. von Karman Award of the International Academy of Astronautics (IAA) for, to quote from the citation, "his sustained contribution to the advancement of space science and technology and the peaceful uses of outer space".

Professor Lüst is the third recipient of the Award which has previously been presented to Dr. Charles S. Draper (USA) in 1983 and Dr. Alexei S. Yeliseyev (USSR) in 1984.

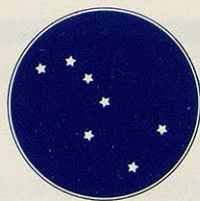


International
Academy of
Astronautics

B.P. 62
75722 PARIS Cedex 15
Téléphone (33.1) 45.67.49.66



May 86 - N° 3



INTERNATIONAL
ACADEMY
OF ASTRONAUTICS

NEWSLETTER

ACADEMY CELEBRATES 25th ANNIVERSARY IN STOCKHOLM

Founded in Stockholm in 1960 by Theodore Von Karman and other leaders of the International Astronautical Federation, the International Academy of Astronautics returned to Stockholm on the occasion of the 36th International Astronautical Congress to celebrate its 25th anniversary. At a symposium held on October 6, 1985 at the Royal Swedish Academy of Sciences, more than 100 members and guests heard a series of lectures about the events leading up to the founding of the Academy, and its 25 year history.

The President of the Royal Swedish Academy of Sciences, Sven F.D. Johansson, Professor of Nuclear Physics at the University of Lund, delivered a welcome address to the members of our Academy.

Invited lecturers included several founding members as well as Professor Carl-Johan Clemenson of Sweden, Member of Section 3 (Life Sciences), who made a presentation on the "Royal Swedish Academy of Sciences and History of the Royal Academy since its Founding in 1739".

After opening remarks by President George E. Mueller (USA), Frederick C. Durant, III (USA) presented a paper, co-authored by V.N. Sokolsky (USSR), on the IAA History Committee's activities.

Dr. Leslie R. Shepherd (UK) reviewed the formative years of the Academy and Frederick I. Ordway, III (USA) covered the current program of activities with many photographs which aroused a keen interest.

Vladimir Kopal (UN) closed the session with a report on the history of IAA's membership development and its governing documents.

On behalf of the Academy, Professor Hubert Curien (France) and President Mueller thanked the Swedish Academy. Afterwards, the Swedish Academy gave a cocktail party in the prestigious Frescati Palace, home of the Swedish Academy since 1915.

All of these lectures will be collected in a book to be published in 1986 for commemoration of the first 25 years of IAA.



25th Anniversary: Left to Right, Vice President Hubert Curien (France), Sven F.D. Johansson President of the Royal Swedish Academy of Sciences, Dr. G.E. Mueller President IAA, and Frederick C. Durant III (USA).

FUTURE ACADEMY SYMPOSIA IN INNSBRÜCK

The 37th International Astronautical Congress will be held in Innsbruck, Austria, October 6 - 11, 1986.

The Academy will sponsor 8 symposia (16 sessions).

- 2nd Symposium on Space & Global Change (2 sessions)
- 19th Symposium on Space Safety & Rescue (2 sessions)
- 16th Symposium on Economics & Benefits of Space Activities (3 sessions)
- 2nd Symposium on Future Space Systems Evolution (1 session)
- 15th Review Meeting on Communication which extra-terrestrial intelligence (CETI) (2 sessions)
- 20th Symposium on the History of Astronautics (1 session)
- 1st Symposium on Return to the Moon (1 session)
- Symposium on Life Sciences (IAA/IAF) (4 sessions).

INSIDE THIS ISSUE

Academy Celebrates 25th Anniversary in Stockholm
100 Academicians attend 13th IAA regular meeting
IAA Section Book Awards
New Space & Global Change Committee
Important IAA Dates in 1986
Academy members to participate in COSPAR'86 in Toulouse
Plan Your Participation Vienna
Academy Symposia in Innsbruck

REGISTER FOR FIRST IAA SECTION 1 MEETING AT COSPAR

The First Section 1 Basic Sciences meeting will be held at COSPAR on July 8 at 9 a.m.

In addition to the traditional October Academy luncheon, there will be an IAA dinner at the COSPAR Congress on Friday, July 4 at 8:30 p.m. in Toulouse City.

All Academicians attending or not attending the COSPAR Congress are welcome, and should register at the SOCFI/IAA secretariat desk in the "sup'aero" Building, ask for Mrs. Annie Gigon. (Price to be announced later).

President Mueller will preside over a special meeting of the Board of Trustees on the morning of July 4.

100 ACADEMICIANS ATTEND 13TH IAA REGULAR MEETING

About 100 Members and Corresponding Members of the IAA attended the 13th Regular Meeting in Stockholm in October. President George E. Mueller announced the composition of the new Board of Trustees as already published in the Newsletter N° 2, on that occasion.

Academician Vladimir Kotelnikov (USSR) Vice-President for Awards & Membership gave a report on Academy elections. The previous year, 1984, was a year of transition following the adoption of new statutes, consequently it was decided not to initiate any elections. In 1985, only the election of the Member

Napolitano introduced the new Vice President, Publications Mr. Roy Gibson (UK).

Dr. Grey, Vice President, Scientific Programs noted that he appreciates the continued support of the Academy, but that as the President of the IAF he has asked to step down as the IAA's Vice President, Scientific Programs. He then made a few further remarks and introduced Dr. Michael I. Yarymovych as the new Vice President, Scientific Programs. Dr. Yarymovych noted with appreciation the support he has already received from the members and in particular the Scientific Programs Committee with which he had met the previous day.

Dr. Yarymovych noted that the Academy continues to conduct various sessions at the annual IAF Congress, but indicated the importance of increasing the Academy's contact with COSPAR and other

Awards - M. Bignier said that he had made proposals to the Board of Trustees for candidates to receive the Section Award during 1985 although none were selected as yet.

Five Year Plan - A brief Five Year Plan has been prepared and presented to the Academy. It will be updated and improved in the future.

M. Bignier further proposed that the Academy give its sponsorship to specialist symposia, congresses and meetings emphasising the field of space engineering.

Prof. Dr. Klein reported that as Chairman of Section 3, Life Sciences, most of the goals of the Academy in the field of Life Sciences are being implemented through the activities of two Scientific Committees, the "Man in Space Studies" and the "Space Safety and Rescue" Committee. Therefore reference is made to their program plans.

In summary the Life Sciences Section will concentrate on the following endeavors : Organization of symposia for annual Congresses covering progress in research and development in the committees' particular fields of interest.

Sponsorship of specialist symposia, like the Man-in-Space symposia which cover the human adaptation to the space environment. The 7th Man in Space Symposium was in preparation for Houston, Texas, USA to be held February 10-13, 1986. Two additional symposia are now under consideration to be held in The Federal Republic of Germany and the USSR.

Where suitable, closer cooperation with other scientific and professional organizations will be intensified. In this respect co-sponsorship of symposia and workshops with IAF, COSPAR, IISL and other international organizations was mentioned. A review program on "Damage and Interference Potential Resulting from Space Operations", recently initiated, will be continued. This will deal with sources and extent of potential safety problems resulting from future space operations. It will hold import for deliberations of the IISL and resulting legal norms for design and operational planning for space missions.

Biotechnology and Bioprocessing are presently strong candidates for areas of extension. The establishment of new subcommittees on these topics is under consideration.

Mrs. Galloway reported that the activities of Section 4, Social Sciences, continue to center around the programs of the Scientific Committees and the efforts to broaden the membership of Section 4 beyond the legal field. Other disciplines are being evaluated and members being sought.



The 13th IAA Regular Meeting in Stockholm.

grade was opened to vote - so as to increase the percentage of full Members - which will not be the case in 1986.

According to the 1985 election results, the composition of the IAA is as follows :

SECTION	1	2	3	4
MEMBERS	137	168	87	47
C.M.	62	94	67	22
TOTAL	199	262	154	69

TOTAL = 695 including 11 Honorary Members

Number of Countries = 39
up date = 04/01/86

Prof. Napolitano briefly reviewed the status of the Academy's publications, and in particular, Acta Astronautica. Overall, Prof. Napolitano said, Acta is making good progress although the number of subscribers remains disappointing. Prof.

like organizations. In particular, Dr. Yarymovych indicated his support for further participation in the next COSPAR Congress scheduled for the summer of 1986 in Toulouse, France.

Finally, Dr. Yarymovych said that he will be working with the Scientific Program Committee Chairman on issues of committee staffing and scientific program content. He thanked the Academy for electing him.

M. Bignier, Chairman of Section 2, Engineering Science reported that the activities of the section were not as extensive as he had hopes they would be in the future. He further reported that the members of this section were involved in the following tasks :

elections of new members - much emphasis was placed on the selection of new members.

NEW "SP CHAN



Intervention during

The committee sanne (1984) and Global Ha during the co Stockholm.

The term "g from America however it tran languages. Th different possi the subject o Terms such a which are en Academy of Academy of S



Dr DRAPER, cer election to full m

NEW "SPACE AND GLOBAL CHANGE" COMMITTEE



Intervention during the 13th IAA Regular Meeting.

The committee recently created in Lausanne (1984) under the name of "Space and Global Habitability" modified its title during the committee's first meeting in Stockholm.

The term "global habitability", comes from America and is employed by NASA, however it translates awkwardly into other languages. The committee examined the different possible terminologies to describe the subject of Earth System Science. Terms such as geosphere and biosphere which are employed by both the U.S. Academy of Science and the French Academy of Sciences were not chosen.

"Global change", a term employed by the International Council of Scientific Unions (ICSU) was considered a preferred nomenclature for the committee title. It recognizes the importance of studying the Earth as a system, determining the role of space technology and space systems in carrying out those studies, and promoting the exchange of interdisciplinary scientific and technical information on that subject.

The new committee is planning two Academy sessions at the 37th International Astronautical Congress in Innsbruck in October 1986. They will be coordinated with sessions being organized on Earth observation, remote sensing, space stations, and polar platforms. The committee is discussing the possibility of co-sponsorship of other conferences and symposia in cooperation with such organizations as the U.S., Soviet and other national academies of sciences, the UK Royal Society and COSPAR. One possible result of these meetings could be the establishment through the International Council of Scientific Unions of an "international decade on global change".

The Academy sessions on Global Habitability at the Stockholm Congress will be published in a special issue of Acta Astronautica.

IAA SECTION BOOK AWARDS

Each of IAA's Sections - Basic Sciences, Engineering Sciences, Life Sciences and Social Sciences - is planning to present awards at the Congress in Innsbruck in October 1986 to the authors of particularly meritorious books relating to their fields.

Nominations are being solicited from the membership of each Section but recipients may be either members or non-members of the Academy. Each Section Chairman will chair a Book Award Board which

recommends candidates to the Awards and Membership Committee. Academician Vladimir Kotelnikov, Vice President Awards and Membership, chairs that committee. Candidates for book awards must be submitted in writing to the IAA Secretariat, 3-5 rue Mario Nikis, Po Box 62 75722 PARIS Cedex 15, France before May 31, 1986. Nominations should include name of candidate, title of book and substantive reasons for recommending the book for an award.

IMPORTANT IAA DATES IN 1986

COSPAR CONGRESS TOULOUSE

Monday, 30 June 1986

COSPAR Opening Ceremony

Friday, 4 July 1986

IAA Special Board of Trustees (Congress Center) 2 p.m.

IAA Academy dinner (in the city) 8 p.m.

Saturday, 5 July 1986

IAA Publication Committee

Thursday, 8 July 1986 9 a.m.

FIRST Section 1 Meeting

IAA/AUSTRIAN ACADEMY OF SCIENCES VIENNA

Friday, 3 October 1986

Presentation of the two Academies 1st IAA Scientific Lecture given by Prof. Lust

IAA ceremony of certificates given to newly elected members

INTERNATIONAL ASTRONAUTICAL CONGRESS INNSBRUCK

Monday, 6 October 1986

Opening Ceremony

To be scheduled "Technical and Standing Committees Meetings".

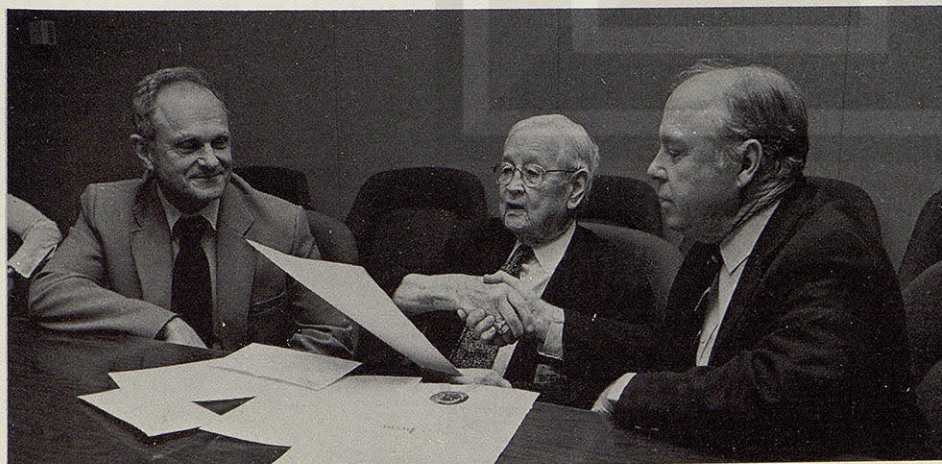
Thursday, 9 October 1986

IAA Academy Luncheon

Board of Trustees Meeting.

IAA HAS LEARNED WITH REGRET OF THE DEATH OF THE FOLLOWING MEMBERS

S. P. Johnston (USA)
Corresponding Member of Section 2, died August 1985.
R. J. Lees (UK)
Corresponding Member of Section 2, died November 1985.
L. Biermann (FRG)
Member of Section 1, died January 1986.



Dr DRAPER, center, congratulates President Robert DUFFY, right, and Dave HOAG, left, upon their election to full members of the International Academy of Astronautics.

Two Members of IAA Have Received The Nobel Prize in Physics

In 1978, Peter Leonidovitch Kapitsa member of Section 1 Basic Sciences, was awarded the Nobel Prize in Physics. Deceased in 1984, an "IN MEMORIAM" in the next issue of Acta Astronautica will retrace his brilliant career.

The citation of Professor Kapitsa (1894, † 1984) was the following :

"för hans grundläggande uppfinningar och upptäckter inom låtemperaturfysiken"; "for his basic inventions and discoveries in the area of low-temperature physics".

Elected in 1985 in Stockholm, a member of the IAA Section Basic Sciences, Professor Subrahmanyam Chandrasekhar was awarded the Nobel Prize in 1983 with the following citation :

"för hans teoretiska studier av de fysikaliska processer, som är av betydelse för stjärnornas struktur och utveckling"; "for his theoretical studies of the physical processes of importance to the structure and evolution of the stars";

EXCEPTIONAL MEETING IN VIENNA PLAN YOUR PARTICIPATION

First IAA Scientific Lecture on Comet Halley

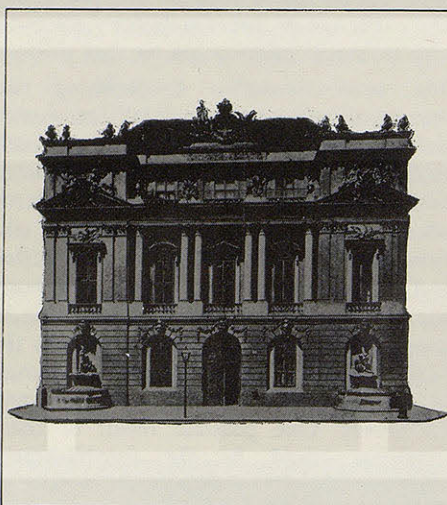
On Friday, October 4th at 2:30 p.m., Prof. Reimar Lüst, General Director of the European Space Agency (ESA) and last recipient of the Von Karman Award (1985) in Stockholm, will deliver the first IAA scientific lecture in the Austrian Academy of Sciences Palace in Vienna on the Comet Halley Scientific Results Theme. This lecture will survey all the international programs organized throughout the world which are devoted to this research.

Immediately following, at 3:30 p.m., the President of the Austrian Academy of Sciences, Univ.-Prof. Dr. Hans Tuppy, Secretary General Univ.-Prof. Dr. Werner Welzig and Secretary Mathematics Section Univ.-Prof. Dr. Otto Hittmair will present the Austrian Academy to the IAA.

Dr. G. E. Mueller, President of the IAA and Prof. H. Curien will follow with an evaluation of IAA activities, including the

status of future projects as well as the proposals of cooperation between the two academies.

At 5:00 p.m., the Academicians will be invited to a cocktail party given by the Austrian Academy of Sciences.



First IAA Scientific Lecture which will be given in the Austrian Academy of Science in Vienna.

ACADEMY MEMBERS TO PARTICIPATE IN COSPAR 86 IN TOULOUSE

The XXVI Plenary meeting of COSPAR will be held in Toulouse, France June 30 to July 12, 1986. Host organizations are the French Academy of Sciences and the Centre National d'Etudes Spatiales (CNES). Meetings will be held in the Rangueil Scientific Complex. Focal point will be the Ecole Nationale Supérieure de l'Aéronautique ("sup'aero"). COSPAR offices and IAA Secretariat will be in that building.

Dr. E. Grun of the Max Planck Institute für Kernphysik (FRG) is chairman of the Program Committee. Opening ceremony takes place on June 30 following a plenary session open to the public. During the first week of the meeting, IAA will co-sponsor with COSPAR the following workshops :

REGENERATIVE LIFE SUPPORT SYSTEMS IN SPACE (two sessions)

July 2 p.m. and July 3 p.m.

In this workshop, the main emphasis will be laid on the discussion of "ecologically" based life support systems. Topics are : Dynamic models of closed environments ; Physiology of plant (including algae) growth in controlled environments ; Control of biological systems (theoretical and

practical) ; Growth of plants in microgravity ; Productivity rates of plants in controlled environments ; Processing waste materials for recycling ; Buffers, reservoir capacities and control ; Food processing ; "Unusual" (highly productive) crop plants ; Ecological effects in closed systems ; Bacterial and viral effects in closed systems.

FUTURE PLANETARY MISSIONS (two sessions)

July 3 and July 4

The purpose of the workshop is to discuss future missions ; it will explore opportunities for planetary science in the period 1990-2015. Topics will include : objectives of novel planetary space-craft missions, planetary exploration program strategies, uses of Earth-orbital spacecraft and space stations, and opportunities for manned planetary exploration. The workshop will be organized in the form of panels, with invited 15-30 minute papers, followed by panel discussion. Included will be subjects such as comet missions, lunar base, outer planet probes, manned Mars mission, and asteroid missions.

SCIENTIFIC SPACE RESEARCH : AN EXAMPLE OF INTERNATIONAL COOPERATION FOR PEACEFUL PURPOSES Evening session July 2, 6:30 p.m.

The United Nations had invited various international organizations, among them COSPAR, to commemorate the International Year of Peace (1986) with specific events. For this purpose, the COSPAR Bureau approved the organization of a special evening session, organized in collaboration with the International Academy of Astronautics (IAA), to be open to the general audience in Toulouse.

INTELLIGENT LIFE BEYOND THE EARTH Evening session July, 4 6:30 p.m.

The session will be open to all participants of the Toulouse meeting. It will include invited reviews on the search for extraterrestrial intelligence (SETI).

I.A.A. NEWSLETTER

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