

ANNUAL REPORT OF THE DIRECTOR
30 SEPTEMBER 1972

I would like to present this, my 23rd Annual Report as Director of the Association for the year 1971-72. I am delighted to report, as usual, increased activity both at Headquarters and among the members.

Our key-punch training program for student help continues to pay off, and we have some very efficient operators. We are getting more nearly up-to-date with our punching. During the summer we worked on observations made in the Spring of 1971, which means we have punched over one million observations. With the help of several centers where local observations are being punched, we can now see in the not too distant future the time when we can punch observations as they come in, and at the same time start work on the old reports from 1911 and earlier.

SPECIAL REQUESTS. We receive frequent requests for information concerning the brightness of variables on specific dates, and also on times of observed maxima and minima.

Theodore P. Snow, Jr., of the University of Washington wrote that he and Dr. Wallerstein were working on a project involving the Mira variable U Herculis, and they would like to have visual magnitudes and information on the light curve and phase of the variable near some dates in 1969 and 1971.

Lee W. Simon did his Ph.D. dissertation on the spectroscopic investigation of long-period, semi-regular and irregular variables at Northwestern University under the direction of Dr. William Buscombe. He needed phases and magnitudes at times of his observations of some 60 variables. Recently, Dr. Simon has written "The members of AAVSO provide a very valuable service in collecting a huge body of data. If it were not for them, many of the advances in our knowledge of these unusual stars, such as the red variables, would not have been made."

H. M. Dyck of Kitt Peak asked for some material on VX Sgr. Fortunately we had published a complete plot showing the past history of the star and current plots brought it up-to-date. Later he asked for material on the complex variable XX Oph.

Brian Warner of the University of Texas at Austin asked for dates of outbursts of U Geminorum since March 1970. He had a number of eclipse light curves to be analyzed. He was also interested in π^1 Gruis which had some unusual features in its spectrum.

Donald W. Strecker of the University of Minnesota was doing his Ph.D. thesis on infrared variations of Mira stars and needed phases from our visual light curves.

Dr. Francis Stienon of the Warner & Swasey Observatory asked for data on CI Cygni. He wrote "You will be happy to know that the AAVSO visual magnitudes are in good agreement with my monochromatic measurements at the effective wavelength of the V magnitude system, except that the broad band magnitudes show a smaller amplitude on the rising part of the curve. This is probably due to the influence of the emission lines, which tended to disappear as the star brightened." Dr. Stienon sent us some photoelectric comparison star magnitudes for the brighter end of the sequence.

Paul Harvey of the California Institute of Technology visited the office during the Christmas holidays and made tracings of many of our light curves. In the summer he wrote

that he needed more detailed information on some of the stars and asked for Xerox copies of some of them. He needs the visual data to correlate with his infrared observations.

Hazel Ross who is writing her thesis on the intensity distribution in the blue-violet region for S, C and C-S stars, at the Warner & Swasey Observatory, needed visual magnitudes and phases for her dates of observations.

Bill Forrest of the University of California at San Diego requested our large blueprint of R CrB for 117 years plus current plots.

Dr. Fletcher Watson of Harvard University got a supply of AAVSO charts on bright variables to use in his summer school course for science teachers.

Many long distance phone calls come in asking for quick information on interesting variables. Our current plots are always near the telephone. This makes it very essential to keep all of our plots up-to-date with all observations plotted.

MEMBERSHIP. At our 60th Anniversary Annual Meeting in Cambridge we elected 65 new annual members plus one new sustaining member, William A. Sloan. In addition, 5 annual members changed to sustaining: Charles A. Brownlee, James N. Jackson, Jonathan Moore, Bruce F. Small and Nancy B. Thomas. At the 1972 Spring Meeting in Tucson, 5 annual members changed to sustaining: Priscilla A. Bibber, Thomas J. Crowley, James D. Currie, R. Wade Ortel and A. Phillips Simpson. We Elected one new sustaining member, Middlebury College, and 54 new annual members.

I am very sorry to report the deaths of three of our members: Wendell Kilmer, John Patterson and Gunther Veit-Kohler.

SUBSCRIPTIONS TO PUBLICATIONS. A number of libraries subscribe to certain of our publications, such as the Solar Bulletin, Abstracts, Reports or Bulletins. In addition, 38 libraries and observatories have subscriptions to receive all of our publications.

REQUESTS FOR INFORMATION. About 360 requests were received for information about the AAVSO and for specific information about our work on variables, the sun, nova search, and occultations. We send sheets of mimeographed material plus the Manual and special information as required in answer to all requests. While this may seem inadequate in many cases, at least they receive answers and we get a number of our new members from these inquiries.

LIBRARY. The McAteer Library continues to receive about 300 serial publications each year, plus a few gifts of books. This year Cyrus and Emily Fernald, as a result of the closing of their Maine home, presented us with 33 books and a set of the long out-of-print publication The Telescope, one of the predecessors of Sky & Telescope. These are a fine addition to our reference library.

Anton Kovar gave us an 1890 edition of Young's Elements of Astronomy with a Uranography, and a 1904 edition of his Lessons in Astronomy. These books are nice additions to our collection of early American astronomy books.

PUBLICATIONS. Our regular publications were distributed during the year. Following the Fall and Spring meetings, we sent out

reports from the Director, Treasurer and various Committee Chairmen, in addition to AAVSO Abstracts of papers given at the Annual Meeting. Also we sent a new membership list; a list of officers and committee members, Julian Day Calendar; News Notes, edited by Carolyn Hurless; and Bulletins 35, containing predictions of dates of Max and Min for 1972; 35A, graphical predictions by Clinton Ford, showing when the selected variables are expected to be fainter than 13; and 35B, graphical predictions by John Bortle, showing when they are expected to be brighter than 11th magnitude.

The Solar Bulletin, edited by Keith Strait and published monthly by the Solar Division, contains notes on solar activity and reproductions of recordings of solar flares. The American Sunspot Numbers as determined by the Solar Division are published by NOAA and in Sky & Telescope.

Sky & Telescope publishes a monthly list of long period variables having at least 8th magnitude maxima. The Royal Astronomical Society of Canada allots us 4 pages in each issue of their journal and in it we have notes on interesting variables and a list of observers with their monthly totals. We supply approximate times of minima of Algol and dates of maxima and minima for a selected list of variables for the RASC Handbook. Other predictions are made for Johnson's Celestial Calendar and Handbook.

The Eclipsing Binary & RR Lyrae Committee publishes a bulletin by the Chairman, Marvin E. Baldwin and monthly predictions of times of minima prepared by Donald C. Livingston.

The AAVSO Circular, edited and published by John E. Bortle, Wayne M. Lowder, and Charles E. Scovil is proving to be very successful. Mr. Bortle now includes observations of the active and irregular variables made by observing groups in France, Holland, Japan and New Zealand, as well as those by our own observers, which make the notes more complete.

The Journal of the AAVSO, Volume I, Number 1, made its appearance in the summer of 1972, under the very able editorship of Dr. William H. Glenn. The Journal will combine under one cover many of our miscellaneous publications and provide a place to publish papers on variable stars, solar astronomy, and related topics. It has been very well received and we have had many complimentary remarks and letters about it.

ANNUAL SUMMARY OF OBSERVATIONS. We received 1688 reports from 316 observers who made a total of 120,508 observations. Sixty observers sent regular monthly reports and 17 missed just one month each -- an increase over previous years which we appreciate.

Table I lists the 22 countries in which we had observers and Table II lists the 41 states in the USA. All observers who contributed observations during the fiscal year 1971-72 are listed in Table III. The list is in alphabetic order and gives the observer's code initials, his name and geographic location, and his total number of observations, followed by the number of "Inner Sanctum" observations (fainter than 14) and PEP or Ptm if some or all observations were photoelectric or photometric. Sixty members made 7,269 "Inner Sanctum" observations; 2 members, Howard Landis and Allen Heasley submitted PEP observations; and Charles Scovil, H. E. M. Specht and A. M. Wellington made photometric observations.

The observer this year with the greatest number of observations is Wayne Lowder with 6,775 observations including

43 "Inner Sanctums". He was followed by Thomas Cragg with 4,915 observations, 1079 "Inner Sanctums", and O. J. Knox with 4,910 observations and 566 "Sanctums". Other observers who made more than 2,000 each are: Taro C. Akiyoshi, Carolyn J. Hurless, Mario Vattuone, Lancaster Hiatt, Kurt Locher, Clinton B. Ford, John E. Bortle, Charles E. Scovil, Edward G. Oravec, and Robert M. Adams, 13 in all. A total of 38 observers made more than 1000 each.

GIFTS. Clinton Ford has been very generous in supplying us with much needed office equipment. Our IBM typewriter which we purchased in 1954 with the help of the National Science Foundation was beginning to get temperamental and the typing did not reproduce evenly. Clinton came to our rescue and now we have a new Selectric II which takes a variety of typing heads of either 10 or 12 pitch. He also gave us a Gafax copier which is a convenience.

Cyrus and Emily Fernald gave us the books I mentioned earlier and also gave us his 8" Springfield telescope with which he has made over 100,000 observations.

PERSONNEL. I am delighted that Florence C. Bibber has come back to work on a full-time basis as our AAVSO Assistant and very efficiently takes care of the office and Association affairs.

Marsha Vetter of Antioch College returned to the AAVSO in January for another cooperative work period - this time for 3 months. Harvard work-study students were a great help during the winter term, and more-so during the summer when they worked full-time. Erich Petersen worked for us again part-time during the winter and full-time for the summer.

I am very pleased to announce that we have added a professional astronomer to our staff. Janet Akyüz received a master's degree in her native Turkey and another from the University of Virginia and is now our Assistant to the Director.

The Smithsonian Astrophysical Observatory continues to give us time on their machines and I particularly want to thank Owen Gingerich for his help and Barbara Welther for giving so much of her time in setting up our programs and helping to run them through.

My very best thanks to the Officers and Members of the AAVSO for their help and cooperation.

Respectfully submitted,

Margaret W. Mayall

TABLE I - COUNTRIES

Country	No. Observers	Total Obs.		No. Observers	Total Obs.
Antarctica	1	20	Japan	3	1738
Argentina	5	4219	Mexico	2	425
Australia	1	236	Rhodesia	1	150
Brazil	1	4	South Africa	3	531
Canada	23	3109	Sweden	1	294
Dominican Republic	1	89	Switzerland	2	3773
France	1	395	Taiwan	1	39
German Dem. Rep.	3	1097	United Kingdom	6	7533
Greece	1	1352	U. S. A.	223	81418
Holland	1	220	Uruguay	1	50
Hungary	18	4646	West Germany	17	9170
				316	120508

TABLE II - UNITED STATES

	No. Observers	Total Obs.		No. Observers	Total Obs.
Alabama	1	101	Nebraska	1	40
Arizona	3	1259	New Hampshire	1	25
Arkansas	1	7	New Jersey	9	1637
California	21	12016	New Mexico	1	36
Colorado	4	636	New York	24	15807
Connecticut	10	5649	North Carolina	5	1841
Delaware	2	56	Ohio	22	10737
D. C.	1	181	Oklahoma	2	131
Florida	15	3427	Oregon	3	139
Georgia	3	241	Pennsylvania	8	1480
Hawaii	1	5	Rhode Island	2	93
Illinois	8	2872	South Carolina	3	69
Indiana	3	292	Tennessee	3	821
Iowa	2	70	Texas	7	1177
Kansas	2	356	Utah	1	69
Maryland	2	484	Vermont	1	35
Massachusetts	12	462	Virginia	6	5057
Michigan	9	3574	West Virginia	1	1106
Minnesota	3	929	Washington	2	1401
Missouri	8	3122	Wisconsin	7	2611
Montana	3	1367	Totals	223	81,418

TABLE III - AAVSO OBSERVERS 1971-72

AD R.Adams, Mo.	2231-	554	BAU J.Bauer, W. Ger.	1257
AH P.Ahnert, German D.R.	752		BBA B.Beaman, Japan	139
AYT T.Akiyoshi, Cal.	4024-	3	BEK I.Beck, Ohio	1
AB W.Albrecht, Wis.	2		BLL I.Bell, Del.	4
AMB K.Ambrose, Ohio	11		BIL G.Bilodeau, Cal.	1087-
AJ J.Anderer, Ill.	37		BKN A.Birkner, Ill.	22
ANB B.Anderson, N.J.	189		BSV S.Bishop, Ohio	15
AK C.A.Anderson, N.H.	25		BLI M.Blair, Nebr.	40
AC C.E.Anderson, Minn.	825-	20	BLE R.Blake, R.I.	9
AR S.Anderson, Va.	19		BLU B.Blundell, N.Y.	7
AJR J.Andress, Ohio	377-	5	BOH D.Böhme, Ger. D.R.	299
ARI R.Ariail, S.C.	57		BRJ J.Bortle, N.Y.	2688-
AWC C.Aronowitz, N.J.	2		BRV W.Breville, Mo.	121
AS J.Ashbrook, Mass.	1		BRR R.Brigham, Pa.	3
ASZ J.Asztalos, Wis.	1		BLP P.Brlas, Hungary	111
BLY G.Bailey, Canada	23		BRK J.E.Brooks, Va.	12
BM M.Baldwin, W.Germany	916		BRB B.Brown, Pa.	9
BRM R.Bales, Ore.	86-	3	BRH D.Brown, Ohio	94
BLN T.Balonek, N.Y.	16		BRT T.Brown, Ariz.	93
BJ J.Banks, N.C.	1223		CDE J.B.Calder, Canada	224
BNL T.Barnhill, Ohio	6		CE C.Carpenter, Cal.	19-
BB R. Bates, Mass.	46		CKE K.E.Chilton, Canada	14

CHP D.P.Christensen, Cal.	2		HNG G.Henry, Ohio	64	
CST G.Christensen, Cal.	210		HE L.Hiett, Va.	3554	
CHS J.Christensen, Cal.	2		HIL R.L.Hill, N.C.	191	
CLY S.Clancy, N.Y.	68		HIR Y.Hirasawa, Japan	228-	1
CLI E.Clinton, Canada	23		HDE J.A.Hodge, S.C.	5	
CCR H.F.Cochran, Tex.	327-	16	HDG R.Hodgson, Iowa	67	
CNS M.G.Connors, Canada	243		HOF J.Hoffman, N.Y.	60	
COK R.D.Cook, N.M.	36		HSF C.H.Hossfield, N.J.	626	
CK S.P.Cook, Cal.	290-	3	HOW I.Howarth, U.K.	592-	19
COV V.R.Coulehan, N.Y.	15		HUB R.S.Hubbard, Wash.	1392-	1
CR T.A.Cragg, Cal.	4915-1079		HUE B.Huels, Ohio	3	
CRR R.Crumrine, N.Y.	13		HR C.J.Hurless, Ohio	3999-	875
CUN D.Cunningham, Canada	3		ISH T.Ishihara, Japan	1371	
CRY J.D.Currie, Ohio	63		JM R.A.James, Wis.	2	
CUT B.Cuthbertson, Tex.	69		JUS C.Janus, N.J.	31	
DLT J.Dalton, Conn.	122		JEN C.Jenkins, S.Africa	174	
DS J.daSilva, Brazil	4		JT R.Johnston, Canada	234	
DV G.Davidson, Kans.	355		JOR R.Jones, Cal.	78-	24
DAV H.H.Davis, Canada	11		JRD D.Jordahl, Md.	159	
DAW M.Daw, Fla.	33		JOS F.Jósvai, Hungary	98	
DWM D.W.Dawson, Ind.	51		JRR R.Jury, Conn.	10-	1
DAZ D.Dazlich, N.J.	55		KEL A.Keil, W.Germany	101	
DK R.deKock, S.Africa	278		KLY G.W.Kelley, Va.	1276-	15
DOK K.J.Delano, Mass.	13		KND L.Kendall, Canada	37	
DIK W.Dickinson, Va.	26		KNY M.J.Kenney, N.Y.	69	
DCK R.M.Dickson, Colo.	89-	1	KSZ A.Keszthelyi, Hungary	393	
DRG R.Diethelm, Switz.	1023		KIN M.W.Kinnaird, Tenn.	2	
DUD D.A.Dundee, N.Y.	4		KBS H.Kirby-Smith, N.C.	324-	2
DKF M.Dürkefälden, W.Ger.	164		KLK K.Klebert, W.Ger.	157	
EKS S.Ericsson, Sweden	294		KND D.Knapp, N.Y.	8	
ESS C.Essex, Canada	27		KPL P.Kneipp, La.	29	
FRW W.B.Farrar, Va.	170		KOJ O.J.Knox, U.K.	4910-	566
FE C.Fernald, Fla.	816		KPP P.Knupp, Mont.	1170	
FER Y.A.Fernandez, Ur.	50		KHJ H.J.Koller, Canada	249	
FLA W.Flannagan, Ct.	2		KRS R.S.Kolman, Ill.	8-	5
FS D.Florkowski, Mich.	88		KOV E.Z.Kovacs, Hungary	30	
FD C.B.Ford, Conn.	2706-	726	KOG G.Kovacs, Hungary	26	
FRB B.M.Frank, Mass.	7		KIS G.Krisch, W. Germany	594	
FR E.Friton, Mo.	134		KRK K.L.Krisciunas, Ill.	268	
FLR D.B.Fuller, Md.	325		KNV J.Kunovitz, Hungary	3	
GAL P.Gal, Hungary	292		LND H.J.Landis, Ga.	113*	
GLA G.Galassi, Argentina	180		LGH H.A.Lange, Canada	422	
GAJ J.Garcia, Argentina	96-	8	LAW P.Lawrence, Ohio	12	
GBE B.E.Gardner, Pa.	38		LER R.A.Leitner, N.Y.	10-	2
GSR R.Geschwind, Ohio	1097		LEM M.T.LeMere, Minn.	13	
GER R.Geszler, Hungary	17		LNS I.Lenss, Mich.	1186	
GLB R.Gilbert, Conn.	14		LES D.Lester, Ore.	52	
GLF F.Glenn, N.Y.	507-	3	LEV A.J.LeVeque, Cal.	76	
GLW W.H.Glenn, N.Y.	648-	5	LVY D.H.Levy, Canada	2	
GLG G.Gliba, Ohio	54		LEW D.Lewis, Ga.	118	
GNC C.Gondell, Argentina	228		LIK G.Likert, Mich.	69	
GTG C.Göttig, W. Germany	87		LNB G.G.Lindbloom, Pa.	1151	
GGH T.Gough, U.K.	5-	1	LK K.Locher, Switz.	2750-	8
GRF G.Griffin, Mo.	1		LCK A.Lockhart, Colo.	12	
GNT P.Gruntmeyer, Mass.	24		LX W.M.Lowder, N.Y.	6775-	43
GUL L.Gugliotto, N.Y.	53		LS D.Lucas, Ohio	973-	209
HAG M.E.Haglund, Cal.	122-	2	LKS R.Lukas, W. Germany	1705	
HK E.Halbach, Wis.	710-	80	MDD P.J.Madden, Ind.	237	
HLE M.D.Hale, N.Y.	9		MGR D.M.Magor, Fla.	138	
HAL R.Hall, S.C.	7		MAN C.Mahnkey, Mexico	304	
HMR R.Ham, Colo.	529		MCO M.Marcario, Cal.	228-	6
HPT G.C.Hampton, Fla.	99		MHA P.A.Marchena, Dom.Rep.	89	
HAN J.Hannon, Conn.	168		MAG G.Mark, Ill.	206	
HZL L.Hazel, N.Y.	1650-	510	MRX H.Marx, W.Germany	753	
HY A.Heasley, Ohio	22*		MSY P.Massey, Cal.	8	
HEE E.Heiser, W.Germany	1254		MIE R.Mathieu, Del.	52	

*Photoelectric

†Photometric

MAT	M. Matson, Tex.	11		SWI	M.T. Schwitters, Colo.	6	
MTM	M. Mattei, Mass.	26-	3	SCE	C.E. Scovil, Conn.	2477+	-763
MA	M.W. Mayall, Mass.	1		SSL	M. Seslar, Conn.	22	
MYR	E.H. Mayer, Ohio	1696-	368	SDA	D. Sharpe, Fla.	249	
MCA	R. McLaury, Okla.	9		SSA	A.P. Sharpless, Fla.	140-	1
MP	C.A. McPherson, Mont.	145		SRC	R.C. Shinkfield, Austr.	236	
MEJ	J.R. Means, Ore.	1		SBF	B.F. Shinn, Canada	24	
MEY	D.E. Meyer, Canada	61		SHI	J.C. Shiko, N.J.	45	
MEZ	C. Mezosi, Hungary	1470		SKL	K. Simmons, Fla.	269	
MHL	E. Michaels, Tex.	358		SPN	A.P. Simpson, Cal.	65	
MDN	D. Milton, Mass.	1		SIN	R. Sinnott, Mass.	1	
MIT	F. Mitschke, W.Ger.	18		SKT	P.N. Skottegard, Fla.	92	
MOR	R. Monske, Pa.	168-	1	SLB	B.F. Small, Fla.	381	
MJ	A.C. Montague, Mich.	688-	9	SMH	C.J. Smith, Canada	111*-	24
MF	F. Montague, Mass.	1		SHA	H.A. Smith, Conn.	120	
MM	F.P. Morgan, Canada	522		SOM	C. Somogyi, Hungary	690	
MOJ	J.E. Morgan, Ark.	7		SH	H.E.M. Specht, Conn.	8+	1
MOP	P. Moore, U.K.	1936-	70	SC	C. Spratt, Canada	254	
MAJ	A.J. Morehouse, Mich.	16		SGG	C. Stagg, Canada	4	
MOG	G. Morin, Mich.	44		STF	G. Stephanopoulos, Gr.	1352	
MRR	C.S. Morris, Mich.	234-	5	SGL	M. Stiegler, W.Germany	309	
MRE	E.H. Morris, Ala.	101-	10	STO	P.M. Stone, Mo.	279-	5
MB	A. Morrisby, Rhodesia	150		SU	M.C.P. Su, Taiwan	39	
MUR	P. Murn, Wis.	1467-	148	SVN	P. Sventek, Ill.	1417-	4
NGY	A. Nagy, Hungary	569		SB	R.F. Swanberg, Mont.	52-	8
NGG	G. Nagy, Hungary	28		SZS	S. Szalmo, Hungary	16	
NAY	R. Nagy, Hungary	164		TB	D. Taboada R., Mexico	121	
NBY	J.M. Nordby, Minn.	91-	1	TAL	I. Talabos, Hungary	93	
OF	A. Oberstatter, France	395-	10	TLT	D.L. Talent, Mo.	23	
OCN	S.D.O'Connor, Canada	14		TNV	V. Tangney, Wis.	15	
OJ	J. Olivarez, Kans.	1		TU	D.C. Taulman, Tex.	12	
OLS	K.V. Olsson, N.Y.	44		TYL	L.R. Taylor, N.C.	92	
OV	E.G. Oravec, N.Y.	2320		TLA	M.D. Taylor, U.K.	8	
ORW	R.W. Ortel, Vt.	35		TYR	M.J. Taylor, Fla.	219	
ODA	D.A. Ortwein, N.Y.	208		TAY	P.O. Taylor, Fla.	460	
OB	M.D. Overbeek, S.Af.	79-	4	THF	F.O. Thomas, Ind.	4	
PAS	S. Padilla, Cal.	51-	1	TJ	J. Thomas, Ohio	543-	287
PSA	S. Palombo, D.C.	181		THM	J.V. Thomas, Tenn.	51	
PPP	J. Papp, Hungary	554		TPR	R.R. Thompson, Canada	341	
PKJ	J.A. Parker, Tex.	33		THS	R.S. Thompson, Fla.	5	
PRK	T. Parker, N.Y.	1		TOT	T. Torma, Hungary	88	
PTT	R. Paterson, Antarct.	20		TWN	A.W. Townsend, Tenn.	768	
PAT	C. Patton, Mich.	1244		TRK	K.D. Trotter, Iowa	3	
PAL	R. Paul, Canada	45		TYS	R.L. Tyson, N.Y.	128	
PAV	A.C. Pavesio, Argent.	16		UL	A. Ullmann, N.Y.	6	
PN	A.E. Pearlmutter, Mass.	294		UND	E. Underhay, Cal.	221	
PTI	N. Peattie, Cal.	191		VBN	D. Van Buren, Holland	220	
P	L. Peltier, Ohio	1379-	433	VAM	M. Vattuone, Argent.	3699	
PFF	G. Pfeiffer, W.Ger.	1143		VTK	G. Viet-Kohler, W.Ger.	7	
POA	A. Porter, R.I.	84		VLM	M.J. Villanueva, Cal.	10	
PO	E.A. Powell, Ga.	10		VIS	G. Visocki, Ill.	881	
PRI	L.H. Price, Cal.	85		WLL	H.J. Walls, Tex.	367	
QD	P.H. Quadt, N.J.	377		WRN	R. Warden, Pa.	81	
REZ	E.Z. Randall, Fla.	12		WBD	D.F. Weber, Ohio	5	
RW	G.O. Rawstron, U.K.	82		WEB	J.W. Weber, Wash.	9	
RNR	L.O. Raynor, Fla.	158		WLT	A.M. Wellington, N.Y.	39+	3
RNT	C.C. Reinhart, Ohio	3		WI	D.B. Williams, Ill.	33	
RNN	T. Renner, Wis.	414-	16	WLM	T.R. Williams, N.J.	307	
RTE	V. Ritter, W.Ger.	186		WJA	J.A. Wilson, Mo.	318	
ROE	J.M. Roe, Mo.	15		WLN	K. Wilson, Mich.	5	
RB	D.W. Rosebrugh, Fla.	356		WSN	T.W. Wilson, W.Va.	1106-	32
RR	R. Royer, Cal.	157-	4	WNB	B. Wingate, N.J.	5	
RML	F. Rümmler, Ger. D.R.	46		WTN	B.C. Witten, Ariz.	1086-	15
RRT	R. Rutan, Ohio	6		WIX	R.L. Wixted, Hawaii	5	
SKM	M. Sakarias, Cal.	479		WOF	M. Woffenden, Mass.	47	
SND	Z. Sandor, Hungary	4		WOS	D. Wolters, W.Germany	30	
SCC	J.D. Scarl, Ariz.	80		WOD	D.L. Wood, N.C.	11	
SLG	R. Schlesinger, N.Y.	530		WDS	N. Woods, Cal.	10	
SIJ	J. Schmidt, W.Germany	489		YON	R.R. Young, Pa.	11	
SDM	E.J. Schwendeman, Pa.	19		ZMM	D. Zimmerman, Ohio	314-	87