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ANNUAL REPORT OF THE DIRECTOR OF THE AAVSO
FOR THE YEAR ENDING SEPTEMBER 30, 1968

It gives me great pleasure to present for the year 1967-68, my 19th report as Director of the AAVSO. Our life at Headquarters becomes busier and more interesting every year. My one great regret is that I am forced to lose much of my personal contact with our members in order to keep our work going. Fortunately, I think most of you understand and continue to send your observations and your letters.

Our card punching of variable star observations is proceeding at what seemed like a slow rate, but we have accumulated over 100,000 cards. We have decided to install our own 059 Card Verifier and an 082 Sorter. Delivery date is set for late December. The SAO will help us in our programming, and we should have material ready for another Quarterly Report soon after we verify the punching.

We were very fortunate in being able to rent the office next door, and the owners of the building very kindly cut a door through for us. The additional room will be our "AAVSO Data Processing Centre", and our original room will be the office and library.

In early September I went to Budapest for the IAU 4th Variable Star Colloquium: Non-Periodic Phenomena in Variable Stars. In late August the international situation looked as though we could not go into Hungary, but at the last minute the border was opened, and everything went on as scheduled. The colloquium was held in the beautiful Hungarian Academy of Sciences building on the banks of the Danube. Dr. and Mrs. Detre and the staff of the Konkoly Observatory received thanks and congratulations from every one for their splendid arrangements for the Colloquium and their gracious hospitality.

SPECIAL REQUESTS. We are very glad to report that we receive more and more requests from astronomers for specific information from our records.

Dr. Chris Terrill of the A.J. Dyer Observatory, Vanderbilt University, who made use of our AAVSO light curves in his thesis, "Changes in the Infrared Spectra of Fifty-one Red Variable Stars", was curious about the mean light curve of S Lyrae which shows a range of about 2.5 magnitudes, whereas in the years he studied it, it had a range of 5 mags. He asked us to check for a possible change of comparison stars, but everything seems to be all right, and the irregularity is actually in the star. The light curve proved to be such an interesting one I decided to collect the observations and publish a long light curve of it. This was used in my column in Review of Popular Astronomy, August 1968. Dr. Terrill also sent us some beautiful specimen sheets of a machine plotted light curve of T Cassiopeiae.

Dr. Lawrence H. Aller of the University of California at Los Angeles, asked for a more-up-to-date light curve of Mira for the new edition of his book, Atoms, Stars & Nebulae.

Dr. Adriaan J. Wesselink of Yale University Observatory asked for identification charts for a group of RW Aurigae stars. We did not have charts for any of them, but we were able to give him references for most of them.

Dr. David L. Lambert of Mt. Wilson & Palomar Observatories asked for observations of 9 symbiotic stars. We have only 5 on our program, Z And, T CrB, BF Cyg, RS Oph, and AG Peg, and the others (RY Hya, BX Mon, AX Per and FN Sgr) should be added as soon as we can get charts and good comparison stars.

Nancy Ramage, a graduate student at the David Dunlap Observatory in Canada, has a photoelectric program for the study of Mira stars at maximum light and asked for predictions of maxima for a group of 44 stars. She also asked for light curves of the stars from June 1967 through July 1968. Miss Ramage ended her letter with: "Finally I would like to say again how useful the work of the AAVSO is in providing continuous,

homogeneous records of this interesting group of stars."

Dr. Paul Ahnert of the Sonneberg Observatory, Deutsch Demokratik Republic, a long-time member and former observer of the AAVSO, wrote that his observatory is to continue Dr. Schneller's work, *Geschichte und Literatur der Veränderlichen Sterne*, and that they are very anxious to receive all of our publications. This is the invaluable reference book begun by Doctors Müller and Hartwig in 1918, and continued by Dr. Richard Prager and then by Dr. Schneller until his death. Dr. Ahnert also said they were missing the very important book we published in 1955, "Studies of Long Period Variables", by Leon Campbell.

Susan Wyckoff, a graduate student at University of Michigan, was doing a project on the minima of long period variables and asked us for predictions of times of minima. In addition to sending her our Bulletin No. 30, containing predictions of minima for 1967, we also made special predictions for a group of stars with minima in January and February 1968. She thanked us saying the predictions were extremely helpful in planning her observing time at Kitt Peak.

Mr. John S. Glasby, Director of the Variable Star Section of the British Astronomical Association asked for copies of some of our charts and for permission to copy them for use by the BAA observers. This we gladly gave them. The blueprinting process has become obsolete in England and they have decided to have their new charts printed black on white. We are fortunate here in that we still have a few printers who continue to make blueprints.

Mr. Glasby is working on a new book on Variable Stars, to be published this fall, and we have given him permission to make use of our material, especially the light curve of R Centauri.

We mentioned last year the work being done by Dr. P. Leander Fischer of Vienna on the light curves of Mira. He now has it almost completed and asked for our observations of the latest maximum and minimum in order to compare the observed dates with his predicted ones.

These are only a few of the requests we receive. Some we can not help but most of them we can do something with.

At the Budapest Colloquium on Variable Stars I received many compliments about the work of the AAVSO. Dr. Rosino of the Asiago Observatory, Italy, asked to be put on our mailing list to receive our publications. He also asked especially for our light curve of RS Ophiuchi. Dr. Fischer gave a report on his tremendous work on Mira Ceti and gave the AAVSO much credit for the observations.

Dr. Feast of Pretoria, South Africa asked for our light curve of RY Sagittarii. Dr. Feast warned that there is a faint star about 12' away from RY Sgr which can affect the observations when RY is faint. Madame Lortet-Zuckermann of the Paris Astrophysical Observatory wants to receive our observations of CH Cygni. Dr. S. Plagemann of Cambridge University, England is working on RW Aurigae stars and has used our published observations to compute power spectra for several of them. He would like to have all of our unpublished observations for a group of 15, mostly in the Orion Nebula region.

Dr. Kam Ching Leung of the NASA Institute for Space Studies in New York is making a study of the irregularities in some of the red variables. He has sent me a print-out of daily means and a machine plotted observed and computed light curve of Mira, using our published observations from 1916-1956. He would now like all the observations up

to the present time of 7 selected stars. Dr. Leung is very excited over V Hydrae, a very peculiar long period variable with overlapping periods. He thinks he may be able to explain some of the peculiarities with a 17-year binary period.

MEMBERSHIP. At our 1967 Annual Meeting we elected 70 new members and had one annual member change to sustaining. At the Spring 1968 meeting we elected 85 new members and 4 changed to sustaining.

We regret to have to report the deaths of 5 of our members: Walter Fish, New York; Dr. Ejnar Hertzsprung, Denmark; John F. Hoynos, Ohio; Dr. E.C. Melville, Jamaica, BWI; and Seth C. Venter, South Africa.

SUBSCRIPTIONS TO PUBLICATIONS. 42 Libraries and observatories subscribe to our publications. Some others subscribe to certain publications, such as Quarterly Reports, Annual Predictions or Solar Bulletins.

REQUESTS FOR INFORMATION. We received about 800 requests for information during the year. As usual, many were from children working on school projects, but many others were from people of all ages who had telescopes and were seriously interested in doing some useful observing.

LIBRARY. As usual, we receive about 400 items: books, publications, reprints, etc., for the McAteer Library. We are very glad to receive these additions so we can keep our library up-to-date. Lawrence Nadeau gave us 24 books which are very useful.

PUBLICATIONS. We continue to publish the Annual Reports of the Director, Treasurer, Endowment Fund, and the Chairmen of various committees as soon as possible after the Annual Meeting. Interim reports were published after the Spring meeting.

Near the first of the year, we mailed a new membership list, a list of officers and committee members, a Julian Day Calendar, Bulletin 31 (Predictions of dates of Max & Min for 1968) and Bulletin 31-A, Clinton Ford's schematic predictions of times the long period variables will be fainter than 13th magnitude.

AAVSO Abstracts, reports of papers presented at Fall and Spring meetings, 2 Book Reviews, and 3 numbers of the News Notes edited by Carolyn Hurless, were published.

Each issue of the magazines, Journal of the Royal Astronomical Society of Canada and the Review of Popular Astronomy contains a list of observers and the number of observations from each. The JRASC has the regular column Variable Star Notes, and RPA has The Director Reports.

The monthly Solar Bulletin contains notes of interest about solar activity and the daily relative sunspot numbers RA (American) and RZ (Zurich). Other features are charts showing distribution of sunspots and reproductions of SEA tracings showing solar flares.

Sky & Telescope prints the daily RA's for each month, in addition to a list of predicted dates of maxima for long period variables brighter than 8th magnitude.

The Eclipsing Binary committee published 2 sets of Information Sheets, in addition to bulletins to the observers and monthly predictions of times of minima.

Special predictions of dates of maxima for some of the brighter long period variables, and times of minima of Algol were printed in the Handbook of the Royal Astronomical Society of Canada. Other predictions are done for C.L. Johnson for his Celestial Cal-

endar. Our Annual Predictions are also used in Switzerland by Robert A. Naef for his Der Sternenhimmel and in Trieste, Italy, for their Annuario Astronomico.

ANNUAL SUMMARY OF OBSERVATIONS. We received a record number of observations during the year 1967-1968: 140,812 observations from 320 observers. As is usually the case, September was our best month, with 22,368 observations, then came August with 14,655, then March with 14,502. December and July were our poorest months, with 8,410 and 8,495 respectively. Our overall total of observations is now 2,675,742.

A total of 1587 reports were received, an average of about 132 per month. Regular monthly reports were received from 38 observers, 21 missed one month, and 10 missed 2 months.

Table I lists the countries with the number of observers and total of observations for each. First place for a foreign country is taken by Argentina, with 5 observers contributing 12,137 observations. 64 observers from 17 foreign countries made 30,451 observations, 22% of all received.

TABLE I - COUNTRIES

<u>Country</u>	<u>No. Observers</u>	<u>Total Obs.</u>	<u>Country</u>	<u>No. Observers</u>	<u>Total Obs.</u>
Argentina	5	12,137	Mexico	1	145
Australia	3	563	New Zealand	1	1
Belgium	1	543	Norway	1	9
Brazil	10	834	South Africa	1	4,611
Canada	15	3,552	Sweden	1	82
Chile	1	488	Switzerland	4	2,031
France	1	305	United Kingdom	11	2,948
Hungary	2	127	West Germany	3	766
Japan	3	1,309	U.S.A.	<u>256</u>	<u>110,361</u>
			Total	320	140,812

Table II gives the breakdown by states. Ohio leads with 35 observers and 23,399 observations. Next was New York -- 31 observers and 19,779 observations.

TABLE II - UNITED STATES

Alabama	2	438	Maryland	2	751	Oregon	3	852
Arizona	1	3,765	Louisiana	1	45	Pennsylvania	12	3,219
California	35	12,523	Massachusetts	22	1,871	Puerto Rico	3	37
Colorado	3	290	Michigan	9	1,042	Rhode Island	3	3,599
Connecticut	12	4,512	Minnesota	5	4,841	South Carolina	1	34
Delaware	1	53	Missouri	3	2,690	Tennessee	2	313
Florida	11	5,247	Montana	2	6,662	Texas	9	196
Georgia	3	1,618	New Hampshire	3	269	Utah	1	3
Illinois	10	3,074	New Jersey	8	871	Vermont	1	57
Indiana	4	408	New Mexico	1	300	Virginia	2	5,098
Iowa	1	100	New York	31	19,779	Washington	2	29
Kansas	1	6	North Carolina	1	1,052	West Virginia	1	147
Kentucky	1	23	Ohio	35	23,399	Wisconsin	<u>4</u>	<u>796</u>
Maine	3	338	Oklahoma	1	14	Total	256	110,361

Table III lists all observations for the year 1967-68 in order of number of observations. We also list the code initials for each observer. In the column following the

number of observations, we list the Inner Sanctum (fainter than 14) observations and PEP when some or all observations were photoelectric.

This year first place was again taken by our member from the Argentine Republic, Mario Vattuone, who made 10,103 observations with 3 Inner Sanctums. In second place is John Bortle with 7,099 observations. John was 7th last year, with 4,439. Carolyn Hurless was again 3rd, with 6,400 and 1,582 Sanctums; Marvin Baldwin was 4th, 5,544; Jim Thomas, 5, with 5,175, and 2,043 Sanctums and Lancaster Hiatt was 6 with 5,089. Four observers had over 4,000: Thomas Cragg, 4,759 and 794 Sanctums; Curtis Anderson 4,736 and 284 Sanctums; Reginald P. deKock, 4,611; and Jim Lovett, 4,169 and 201 Sanctums. Four observers had over 3,000: Karl Simmons, Edward Turco, Clinton Ford, and Edward Oravec. Six observers had over 2,000, and 13 over 1,000. In all, 51 observers had more than 500 observations each.

47 observers made 9,239 inner sanctum observations, and 8 observers used photoelectric photometers for some or all of their observations.

TABLE III - AAVSO OBSERVERS
1967 - 1968

1 VAM Mario Vattuone, Arg	10,103 S 3	36 MGR Donald M. Magor, Fla	788
2 BRJ John Bortle, N.Y.	7,099	37 SWR Richard Sweetsir, Fla	785
3 HR Carolyn Hurless, Ohio	6,400 S1582	38 RB David Rosebrugh, Fla	736
4 BM Marvin E. Baldwin, Mt	5,544	39 CTB Brian A. Carter, U.K.	731 S 20
5 TJ James Thomas, Ohio	5,175 S2043	40 DBK Alfred Dobkowski, N.Y.	722
6 HE Lancaster Hiatt, Va	5,089	41 GJ James Goehring, Cal	703
7 CR Thomas Cragg, Cal	4,759 S 794	42 HY Allen S. Heasley, Ohio	653 S 18
8 AC Curtis Anderson, Minn	4,736 S 284	43 ASH Steven Ashe, N.Y.	596
9 DK Reginald deKock, S.Afr	4,611	44 HK Edward A. Halbach, Wisc	586 S 37
10 LVT Jim Lovett, Ohio	4,169 S 201	45 EL James E. Ellerbe, N.J.	580
11 SKL Karl Simmons, Fla	3,765	46 MF Frederick Montague, Mass	580 S 25
12 TUE Edward Turco, R.I.	3,394	47 KOJ O.J. Knox, U.K.	566
13 FD Clinton Ford, Conn	3,310 S 706	48 CF Frank Chapman, N.Y.	556
14 OV Edward Oravec, N.Y.	3,128	49 DMT Th. deMenten, Belgium	543
15 LX Wayne M. Lowder, N.Y.	2,938 S 2	50 FT G.L. Fortier, Canada	526
16 CK Stephen P. Cook, Cal	2,931 S 3	51 SKR Eric Simpkins, N.Y.	506
17 P Leslie C. Peltier, Ohio	2,552 S1576	52 DVO O. Augusto de la Vega O., Chile	488
18 AD Rob't M. Adams, Mo	2,455 S 494	53 FS David Florkowski, Mich	452 S 2
19 FE Cyrus Fernald, Me; Fla	2,159	54 SCE Charles Scovil, Conn	445 S 210
20 MOR Robert Monske, Pa	2,040 S 287	55 TPR Raymond Thompson, Canada	445
21 KRS Roger Kolman, Ill	1,917 S 45	56 LI Donald Livingston, N.Y.	441
22 LK Kurt Locher, Switzerland	1,787 S 13	57 SKM Michael Sakarias, Cal	436
23 HZL Lawrence Hazel, N.Y.	1,741 S 28	58 PHJ John F. Phillips, Ala	432
24 BMA M.A.E. Barone, Arg	1,719	59 DS Jose M.L. da Silva, Brazil	431
25 LS Diane Lucas, Ohio	1,667 S 326	60 MLM Martin Miller, Cal	424
26 PO Eugene Powell, Ga	1,540	61 LKS Rainer Lukas, W. Germany	415
27 SZR Roger Saladzius, Can	1,159	62 RED George Reed, Pa	407
28 ILS John E. Isles, U.K.	1,132	63 FLS Robert Felson, Md	401
29 SB R.F. Swanberg, Mont	1,118 S 166	64 ODA Donald Ortwein, N.Y.	359
30 GAY Mark Gaydos, Ohio	1,105 S 2	65 RRB Robert Raphael, Md	350
31 BBA Barry Beaman, Cal	1,082 S 1	66 GUL Lee Gugliotto, N.Y.	338
32 BJ James Banks, N.C.	1,052	67 DKF Manfred Durkefalden, W. Ger	337
33 MCE Etsuiku Mochizuki, Japan	1,027	68 DOK Kenneth Delano, Mass	327
34 MJ Allen Montague, Ill	886	69 SNM Michael Sinneck, N.Y.	318
35 MJR Jerald R. Mishler, Ore	829		

70 FRW Walter Farrar, APO Calif	317	125 BRB Barry Brown, Penn	116
71 PPJ John Pipinias, Maine	309	126 HNG Gregory Henry, Ohio	113
72 NM Mark Newberry, Tenn	308	127 CHW Robert L. Chew, N.J.	111 S 4
73 OF A. Oberstatter, France	305 S 6	128 BZC Carmine Borzelli, N.J.	107 S 4
74 COK Ryan D. Cook, N.M.	300	129 KHJ Herbert Koller, Canada	107
75 MTV V. Matchett, Australia	290	130 BRE Eric Bram, New York	106
76 SR Robert Stewart, Ind	287 S 1	131 PZJ John Pazmino, New York	106
77 ATW Philip Atwood, Conn	283	132 TLR Robert Talaga, Ind	105
78 SRH H. Sarrafian, Calif	280	133 BQ Lewiss Bartha, Hungary	103
79 REZ Everett Randall, Fla	266	134 HP Walter Hampton, Conn	103
80 PN A.E. Pearlmutter, Mass	263	135 MUM Mike Murphy, Iowa	100
81 MRD James Muirden, U.K.	251	136 WJW J. Wayne Wooten, Fla	97
82 LVR Rick Lavery, Canada	248	137 EG George East, Mass	93
83 BJA Jack Borde, Calif	246 PEP	138 HOH Hideo Honda, Japan	90
84 GDD Dan Goodell, Calif	245	139 MSP Paulo Mourilhe S., Brazil	89
85 JT Robert Johnston, Canada	245	140 MGL Gary L. Mann, Calif	88
86 SRC R.C. Shinkfield, Australia	240	141 PAN R.W. Payne, U.K.	84
87 MHG Hugo Marraco, Argentina	240 S 18	142 SAZ Torbjorn Saltzman, Sweden	82
88 RND Donald Rosenfield, Brazil	234 S 1	143 DGN Arthur Daigon, Conn	81
89 FR Edwin E. Friton, Mo	233 S 3	144 WU Maurice Wunderlich, Colo	81 S 13
90 AK Carl A. Anderson, N.H.	229 S101	145 SMK Mark Stewart, Texas	78 S 7
91 SV Vicki Schmitz, Ohio	227	146 LVF Frederick Levins, Ohio	77
92 MM Francis Morgan, Canada	226	147 DT R.T. Dickinson, Canada	76
93 MU A.T. Murphy, Calif	222	148 SHL E. Schaltegger, Switzerland	75
94 ROG Gary M. Ross, Mich	217 S 23	149 PCR Carl R. Peck, Ohio	71
95 HYJ John F. Hoynos, Ohio	212	150 RDJ Jeannine Roediger, Ohio	70
96 LJ Herbert A. Luft, N.Y.	211	151 WRW William Werner, Ohio	70 S 1
97 FZR Craig Fraser, Canada	202	152 GJT John T. Goodwin, Mass	67
98 BLK Henry Blake, N.Y.	201 S 1	153 MNT E.R. Minniti, Argentina	67
99 SSA A.P. Sharpless, Fla	201	154 KY Frank J. Kelly, Fla	66
100 SVD V. Steblina, Calif	195	155 MSS Stephen Mesics, Penn	65
101 PTN Erich Petersen, Mass	192	156 HLC Chandler Holton, Georgia	64
102 WAT Akira Watanabe, Japan	189 S 51	157 KRK Kevin Krisciunas, Ill	64
103 BDV David Brin, Calif	188	158 BOR Larry Bornhurst, Calif	63 S 15
104 SAF Fred Sanner, Penn	185	159 SLO Robert Slocumb, Minn	62 S 1
105 RMM Michael Ramsey, Ohio	177	160 CKE K.E. Cilton, Canada	61
106 PGA Alfred Puget, R.I.	167	161 MRR Charles Morris, Mich	61
107 GLG George W. Gliba, Ohio	166	162 WUJ John H. Wulf, Texas	61
108 MRJ John Mariska, Colo	165	163 SZY Theodore Szybowicz, Mich	60
109 BSV Sheila Bishop, Conn	161 S 11	164 CRR Robert Crumrine, N.Y.	59
110 ZT Ray Zit, Wisconsin	154	165 GSR Ralph Geschwind, Ohio	59
111 RQ C.L. Ricker, Mich	147	166 LAN Vaughan Landless, U.K.	58
112 BKG Glenn Birkhimer, W.V.	145	167 DHG George Diedrich, Ohio	57
113 TB Domingo Taboada R., Mex.	136	168 ORW R. Wade Ortel, Vermont	57
114 HTD Donald Hutter, Penn	136	169 KS Jeremy H. Knowles, Mich	54
115 JSW Stuart John, Fla	136	170 PR Robert Provin, Calif	54
116 RH Harry Roberts, Ill	136	171 SLK J. Keene Saulsbury, Del	53
117 RHY Hyman Roche, N.Y.	127 S103	172 VOS E.J. Voss, U.K.	53
118 CE Claude Carpenter, Calif	127	173 RCP C.P. Rinsland, Penn	51 S 1
119 DRG R. Diethelm, Switzerland	121	174 DMR Ronald Domen, Ohio	47
120 RDA Nancy Rodda, Penn	120	175 RNT Charles Reinhart, Ohio	45
121 PTA H.A. Peterson, Calif	119	176 WLA Alan Wilson, Canada	45
122 YRK David York, Mass	118	177 CDR Richard Chadwick, Colo	43
123 SC C. Spratt, Canada		178 UL Albert Ullmann, N.Y.	43
124 MLT Tony Mallama, Ohio		179 CLD J.D. Cloud, California	42

180	GTF Frank Gault, Calif	42	234	GNW Mark Grunwald, Ind	15
181	RUS E. Reusser, Switzerland	42	235	HD Donald Henning, Ohio	15
182	HU Walter S. Houston, Conn	40	236	BRF Robert Brady, Georgia	14
183	MTM Michael Mattei, Mass	40	237	HEE Erwin Heiser, W.Germany	14
184	PNR Robert Panek, Mass	40	238	HTI Ida Horton, Oklahoma	14
185	RP Patrick V. Rizzo, N.Y.	40	239	HUD David Hughes, Mass	14
186	FRC Martin French, U.K.	38	240	KTY Terry Kesler, Ohio	13
187	LBG Gilbert Lubcke, Wisconsin	37	241	SRW Richard Schaupp, Calif	13
188	DHD DeLorne Diedrich, Ohio	36	242	SJL Jack L. Strater, Ohio	13
189	BEL Trudy E. Bell, Calif	34	243	AND Mark Anderson, Texas	12
190	BEV Edwin Bishop, Conn	34	244	CSA Allen A. Casper, Wisc	12
191	FG D.J. FitzGerald, Canada	34	245	MGM Mauro Migon, Brazil	12
192	HAL Ralph Hall, S.C.	34	246	KDG Gary Kidwell, Calif	11
193	HTN Katherine Hutton, Penn	34	247	MGG Gary McGinnis, Minn	11
194	MNW William Mintel, N.J.	34	248	STC Guido Santacana, P.R.	11
195	RNR Lynn O. Raynor, N.H.	33	249	GCL Lawrence Garcia, Illinois	10
196	KL Leonard Kalish, Calif	32 PEP	250	HCP Peter Hachow, Minn	10
197	KHL Michael Kohl, Penn	32	251	PGT Richard Piggott, N.Y.	10
198	PCL James Paciello, N.Y.	32	252	ZRB Joseph Zarba, Mass	10
199	AJ Joseph Anderer, Illinois	31	253	BPA Paul A. Ballentine, Va	9
200	BIN John Bingham, U.K. plus 1 ^h 19 ^m AD Leo	31	254	CTF Franklin Curtiss, Mass	9
201	BCJ Carol J. Beaman, Calif	30	255	DJJ Jose Dias N., Brazil	9
202	KSS Stephen R. Kessell, Maine	29	256	GLW William H. Glenn, N.Y.	9
203	WRC R.C. Williams, Maine	29	257	PGS Stanley Page, N.Y.	9
204	MTY Stephen Matyi, Ohio	29	258	SSL Michael Seslar, Florida	9
205	JMV M.V. Jones, Australia	28	259	SIS Svein Sivertsen, Norway	9
206	LNS Ivars Lenss, Michigan	28	260	ZMJ John Zimmerman, Calif	9
207	LYR Richard Lynch, R.I.	28	261	HTS Stephen Hart, N.J.	8
208	BGM Mitchell Begelman, N.Y.	26	262	MDR Roberto Mendez, Argentina	8
209	GRJ James Giodano, N.Y.	26	263	CRT Earl L. Carter, Oregon	7
210	GRD David Gordon, Texas	25	264	CRM Marcio Correa deM., Brazil	7
211	LVD David H. Levy, Canada	25	265	CWR Robert J. Crowley, Mass	7
212	STA Allen Stearns, N.J.	25	266	LAR Randy Lambert, Texas	7
213	DRH Richard H. Davis, Mass	24	267	MID David M. Mitchell, Mich	7
214	SCJ John Scatliff, Canada	24	268	NCL William J. Nicholson, N.Y.	7
215	SL Robert N. Sealy, Wash	24	269	ROY Richard E. Roy, Conn	7 S 4
216	SZV Peter Szilvay, Hungary	24	270	RR Ronald Royer, Calif	7
217	MZK Kenneth Menzies, Mass	23	271	ABR Ronald Abileah, N.Y.	6
218	RDR Richard Rhodes, Kentucky	23	272	BLJ J.Rand Baldwin, Ala	6
219	NBY John M. Nordby, Minn	22	273	KST John D. Koester, Kansas	6
220	SHA Horace A. Smith, Conn	22	274	BKE Eddie Beckham, Texas	5
221	BJE James E. Bowers, Calif	21	275	CCF Felipe B.C. Cordero, P.R.	5
222	KRR Roberto Kringel, P.R.	21	276	DLR Randy Dalrymple, Calif	5
223	TV O.C. Tavares, Brazil	20	277	HLL Douglas S. Hall, Tenn	5 PEP
224	EPC Chet B. Eppert, Penn	19	278	HRN Randy Harness, Illinois	5
225	WLT Alan Wellington, Mass	19	279	HYT Thomas A. Heasley, Ohio	5
226	BD Wilson H. Baade, Brazil	18	280	LL Larry P. Lovell, Ohio	5 PEP
227	GRG Greg George, Conn	18	281	PWR Ronald E. Powaski, Ohio	5
228	RVJ James Riviere, Mass	18	282	WSC Chris West, Washington	5
229	HYB Bette Heasley, Ohio	17	283	AUG John G. Augustine, Ohio	4
230	MAG Gideon Mark, Illinois	17	284	BKR Robert Brakenridge, Ill	4
231	DR Robert Doucet, Oregon	16	285	ETT W.Theodore Etzel, Fla	4
232	NL L.B. Nadeau, Mass	16	286	HAK Keith T. Haase, Illinois	4
233	GBR Richard Gilbert, Calif	15 S 1	287	HDM Nick Hardiman, Calif	4
			288	OJ Jose Olivarez, Texas	4

see also Solis

289 PLO Brian Pollard, Texas	4	305 NRW D.J. Northwood, U.K.	3
290 PLR Randall Poole, Penn	4	306 VDG Greg VanDerwerker, Mass	3
291 SAG Danny Sagstetter, Ohio	4	307 WBD Donald F. Weber, Ohio	3
292 SLV Claudeir E.P. Silva, Brazil	4	308 KPT Tom Keptner, Ohio	2
293 SH H.E.M. Specht, Conn	4	309 LFA Alvin Liff, New York	2
294 STK Mark Stein, California	4	310 LIR Richard Livingston, N.Y.	2
295 TAR Robert Tallon, Michigan	4	311 SAJ Arthur J. Stokes, Ohio	2 PEP
296 VWJ Wether J. Vervloet, Brazil	4	312 BDN Daniel Brin, California	1
297 WS Karl A. Wells, N.Y.	4	313 FRM Mara H. Friton, Missouri	1
298 BRO Larry Brown, Calif	3	314 JA A.F. Jones, New Zealand	1
299 DWM William DeForge, N.J.	3	315 SSN Kenneth Slosson, Indiana	1
300 HSF Casper H. Hossfield, N.J.	3 S 1	316 THJ J. Thomas, U.K.	1
301 LRD Daniel P. Loring, Utah	3	317 BDK John Broderick, Mass	4 ^h 51 ^m UV Cet PEP
302 MLD David Maleham, N.H.	3	318 LV Howard LeVaux, Mass	3 ^h 16 ^m UV Cet PEP
303 MA Margaret Mayall, Mass	3	319 SOL Tom Solis, Texas	40 ^m UV Cet
304 MIL Jeff Miller, California	3	with Olivarez	

PERSONNEL. I am very glad to say that our AAVSO Assistant, Florence Campbell Bibber continues her job in spite of the fact that she does twice as much work with no overtime pay. We were very fortunate this summer to find 2 young students to help in the office. Christine Krupp had just graduated from High School and was looking for a summer job. Erich Petersen, a 14-year old Junior High School student and an astronomy enthusiast asked if he could do anything to help us. They both worked out very well and confirmed my feeling that an untrained person could punch cards from some of the poorly written reports we receive more efficiently than a highly trained operator.

My special thanks go to them and to the officers and members of the AAVSO for their help and encouragement.

Respectfully submitted,

Margaret W. Mayall, Director