

28TH ANNUAL REPORT OF THE DIRECTOR OF THE AAVSO  
FOR THE YEAR ENDING SEPTEMBER 30, 1959

I am very happy, as Director of the AAVSO, to present this 28th Annual Report of the work of the Association for the fiscal year 1958-1959. The fine cooperation we receive from our members and friends makes our work extremely rewarding.

Our financial worries were temporarily relieved by a grant from the National Science Foundation. In the middle of December 1958, we received word from the Director of the N.S.F. that our application for a grant of \$16,000 for 2 years had been approved. The National Bureau of Standards has renewed their contract with the AAVSO for another year, for collecting and compiling the American Sunspot Numbers. The work of the Solar Division also has been aided by a grant of \$500 from the N.S.F. for the study of Sudden Enhancements of Atmospherics on 27 mc/s. This is an indirect flare detection program which is a continuation of work carried on during the International Geophysical Year.

The Astronomical Society of the Pacific very kindly gave us a check for \$500, to help on the printing costs of our Quarterly Reports.

Our proposed budget, including Solar Division and other branches of our work, is about \$15,000 per year. We were very pleased to have more than half of this budget thus taken care of. Of course, the other half had to be cut and cut to the very bone. As you can see from our Treasurer's Report, our only other assured income, that of dues from our membership, amounts to about \$2,000 per year. The income from our Endowment Fund can be used, in case of necessity, but fortunately we have never had to draw on it, and it has been reinvested to help build up the Fund.

Endowment Fund. Our Endowment Fund shows remarkable growth over the last five years. In 1954 our total assets were about \$6,000, and today, at the end of the 1958-59 fiscal year, the Chairman of the Fund shows that we are well on our way to our first \$100,000. Many of our members have made contributions of time, effort, and money toward this first goal.

Special thanks should go to our AAVSO Secretary and Chairman of the Endowment Fund, Clinton B. Ford, who in addition to his own contributions, has been responsible for "Mr. Anonymous" giving us many shares of International Business Machines stock.

Other additions to the Fund have come from the sale of the Campbell volume, "Studies of Long Period Variables," and the "Manual for Observing Variable Stars." Arrangements have been made with the Golden Press, publishers of "The Sky Observer's Guide" for the AAVSO to purchase copies at the wholesale price, with the understanding that all profits would go into the Fund. Lewis Boss, Chairman of the Photoelectric Photometry Division, continues to print the PEP Handbook at his own expense, and gives the total proceeds from its sale to the Fund.

The boxes of miscellaneous publications, mostly unbound, which have been stored for more than 5 years at Ladd Observatory, Brown University, have at last been sold, and over \$400 was added to the Fund. We plan to arrange a "Mail Auction" in the near future, of some of the duplicate books in our library, and hope to add a goodly sum from that.

Requests for Information. Over 600 letters were received during the year, asking for information about astronomy and the AAVSO. Instruction Manuals were sent to 226 of these, who owned telescopes and sounded like potential observers. The number of new observers we have started this year shows that our work and expense have been worthwhile.

Membership. In October 1958 we were pleased to elect Mrs. Walter P. Reeves a Patron member of the Association, as a token of appreciation for all that she and her late husband have done for the AAVSO. At the same meeting, we elected 20 new annual members. At the May 1959 meeting, we had a record number of applications, and elected 42 annual members.

During the year, four of our longstanding members died: Miss Lucile Godfrey, who was the daughter of Dr. Charles Godfrey, one of the early benefactors of the AAVSO; Miss Helen Swartz, of Norwalk, Connecticut, a charter member of the Association; Dr. Issei Yamamoto, Director of the Yamamoto Observatory in Japan; and Dr. Chang Yuin, of Hongkong, China.

Subscription to Publications. Twenty-six observatories and libraries now subscribe to our publications. In addition to these 26, the Mount Wilson and Palomar Observatories subscribe to our Special services.

Special Contributions from Members. Our members and friends find many ways to help us. Mrs. Phoebe Haas continues to take 10-day means of the observations made by the New Zealand observers, so they can be combined with AAVSO observations for our mean light curves. Mr. Frank M. Bateson, Director of their Variable Star Section, very kindly sends us the observations as soon as they are available.

Mr. Axel V. Nielsen of Ole Romer Observatory, Denmark, sends us the observations of SS Cygni made by members of the Scandinavian Astronomical Society, so we can publish a complete light curve of the star each year. The Scandinavian observers often fill in gaps left by our members.

Stephen Maran of New York was in Cambridge during the summer of 1959, and very kindly spent much of his spare time evenings and weekends in the AAVSO office. He helped us in many much-needed jobs.

Newton Mayall has continued to furnish us with all sorts of supplies, prints, long-distance telephone calls, and so forth. He also spends much time on plotting, drafting, library work, and helping out with our large mailings.

Library. The Charles Y. McAteer Library received 67 books and 417 other publications, reprints, pamphlets, etc., during the year. Mrs. Mary Howe Baker gave us 42 books which were being removed from a school library. Many of these are welcome additions to our library, and other duplicates will be sold in our "Mail Auction."

Publications. Two more QUARTERLY REPORTS, numbers 22 and 23, were published during the year. No. 22 contains the results of about 58,000 observations of 805 variables, made by 142 observers during the 400 day interval from April 2, 1955, through May 6, 1956; and No. 23 about 58,000 observations of 794 variables, by 136 observers during the period from May 7, 1956 through June 9, 1957. Work on No. 24, which will include observations up to July 14, 1958, is well under way.

BULLETIN NO.18, the 1959 ANNUAL PREDICTIONS OF MAXIMA AND MINIMA OF LONG PERIOD VARIABLES, and NO.19, BIMONTHLY PREDICTIONS OF VARIABLE STARS, by Walter Scott Houston, were published during the year.

Other publications include the ANNUAL REPORT OF THE DIRECTOR FOR 1957-1958, and two issues of AAVSO ABSTRACTS, edited by R. Newton Mayall, of papers presented at the meetings of October 1958 and June 1959.

VARIABLE STAR NOTES, written by the Director, were published in each issue of the Journal of the Royal Astronomical Society of Canada.

Annual Summary of Observations. Interest in astronomy and variable star observing continued to grow during this year. We received reports from 184 observers, probably the largest number we have ever had.

We received 52,589 individual observations of variable stars, plus a total of 24 hours 30 minutes of constant observation of flare stars. Nearly 15 hours of this constant watch were done by Donald Engelkemair with a photoelectric photometer attached to his 8-inch reflector. The only flare observed was one of AD Leonis by Mr. Engelkemair. This was announced on Harvard Observatory Announcement Card 1433. He observed a rise of 0.7 magnitude in yellow light, and 1.3 magnitude in blue light on the night of April 12-13, 1959.

Sixty-eight observers from 17 countries outside the United States made over 19,800 observations -- about 37% of the total. The rest of the observations were contributed by 116 observers in 32 states. Table I lists the countries represented, and the number of observers and observations from each. Table II gives the breakdown for states.

TABLE I - COUNTRIES

| Country     | No. Observers | Total Obs. | Country        | No. Observers | Total Obs. |
|-------------|---------------|------------|----------------|---------------|------------|
| Argentina   | 1             | 303        | Japan          | 1             | 833        |
| Australia   | 13            | 741        | Mexico         | 1             | 1002       |
| Brazil      | 2             | 265        | Peru           | 3             | 1140       |
| Canada      | 8             | 1669       | Saudi Arabia   | 1             | 23         |
| Chile       | 9             | 1333       | South Africa   | 5             | 7821       |
| Germany     | 5             | 1740       | South Rhodesia | 1             | 384        |
| Hungary     | 14            | 1062       | Sweden         | 1             | 264        |
| Italy       | 1             | 635        | Taiwan         | 1             | 283        |
| Jamaica BVI | 1             | 16         | U.S.A.         | 116           | 33075      |
|             |               |            | total          | 184           | 52589      |

I am very happy to report on the splendid group activity in several distant countries. One of the most active is the Australian group centered in Sydney, New South Wales, under the leadership of I.P. Debono. Mr. Debono was formerly a member of an active group in Alexandria, Egypt, and is now the Director of the Variable Star Section of the New South Wales Branch of the British Astronomical Association, succeeding Dr. Trainor, who started the revival of interest in variable star observing

"down under." Eleven of the 13 observers in Australia sent in their first reports this year. We hope they will all continue their fine work.

The work of the group in Santiago de Chile, organized last year by Sr. Miguel Valdez, has continued with great enthusiasm. Sr. Valdez recently returned to his former home in Peru, but the activity in Santiago is carried on under the leadership of Sr. Juan Nestler Fuller.

Some years ago we had a very active group of observers in Budapest, but lost contact with them during the war. This year we received over 1,000 observations from 14 observers. They wrote that all of their AAVSO charts were lost, but fortunately they saved some of their instruments. We have sent them some new charts, and hope to be able to send still more.

TABLE II - UNITED STATES

|             |    |      |               |    |      |                |     |       |
|-------------|----|------|---------------|----|------|----------------|-----|-------|
| Arizona     | 1  | 598  | Maryland      | 1  | 2    | Ohio           | 14  | 1721  |
| California  | 14 | 5896 | Massachusetts | 2  | 16   | Oklahoma       | 1   | 44    |
| Colorado    | 1  | 7    | Michigan      | 2  | 282  | Oregon         | 1   | 99    |
| Connecticut | 3  | 2809 | Minnesota     | 1  | 2504 | Pennsylvania   | 9   | 195   |
| Florida     | 4  | 230  | Mississippi   | 1  | 14   | South Carolina | 1   | 23    |
| Georgia     | 3  | 688  | Missouri      | 1  | 1987 | Texas          | 3   | 165   |
| Illinois    | 5  | 811  | Montana       | 1  | 338  | Virginia       | 3   | 115   |
| Indiana     | 4  | 225  | Nevada        | 1  | 20   | Washington     | 1   | 101   |
| Iowa        | 1  | 1    | New Jersey    | 5  | 285  | West Virginia  | 1   | 3     |
| Louisiana   | 1  | 3    | New Mexico    | 2  | 279  | Wisconsin      | 13  | 1490  |
| Maine       | 2  | 4759 | New York      | 13 | 7365 | total          | 116 | 33075 |

In this country, the work of the Observing Group of the Amateur Astronomers Association is well known. They have done remarkable work under the difficult observing conditions of New York City, with the guidance of Edward Oravec.

The Milwaukee Astronomical Society had a great surge of renewed vigor this summer. Many of the observers will be at school and unable to use the M.A.S. Observatory during the winter months, but we hope their interest in variable stars will continue.

Another center of activity is around Cleveland, with the Black River and Cleveland Astronomical Societies, under the leadership of George Diedrich, and James Breckinridge, respectively.

Table III lists the observers in order of the number of observations each contributed during the year. The observer making the greatest number of observations during the year was again Reginald P. de Kock, who sent in 6,582. Following him was Cyrus F. Fernald, with 4,758; 3rd was Edward G. Oravec, 4,174; 4th Thomas Cragg, 2,704; and 5th was Curtis Anderson with 2,504 observations. Twelve observers sent more than 1,000 observations each, and eleven more between 500 and 1,000.

Eight hundred and twenty reports of observations were received at headquarters during the year, at the rate of nearly 70 reports each month. Regular monthly reports were received from the following 17 observers: Robert Adams, Curtis Anderson, Thomas Cragg, Reginald de Kock, Donald Engelkemeir, Cyrus Fernald,

Clinton Ford, Kenneth Fuller, Ferdinand Hartmann, Allan Montague, Edward Oravec, Patrick Parker, Leslie Peltier, Patrick Rizzo, Leif Robinson, David Rosebrugh, and Miguel Valdez. Eleven other observers missed only one or two months.

In Table III, the letter S following the number of observations indicates that the observer made some "Inner Sanctum" observations; that is, he made observations of stars fainter than 13.8 magnitude. Twenty-nine members observed these faint stars this year.

TABLE III - AAVSO OBSERVERS  
1958 - 1959

|     |  |      |   |     |  |     |   |
|-----|--|------|---|-----|--|-----|---|
| 1   | Reginald de Kock, South Africa                                 | 6582 | S | 37  | C. J. Renner, Chelsea, Michigan                                    | 270 | S |
| 2   | Cyrus Fernald, Wilton, Maine                                   | 4758 | S | 38* | Gunnar Darsenius, Gotenburg, Swed.                                 | 264 | S |
| 3   | Edward Oravec, Tuckahoe, N.Y.                                  | 4174 |   |     | *plus 9 <sup>m</sup> DO Cep; 67 <sup>m</sup> EV Lac                |     |   |
| 4   | Thomas Cragg, Inglewood, Cal.                                  | 2704 | S | 39  | Patrick Rizzo, Brooklyn N.Y.                                       | 264 |   |
| 5   | Curtis Anderson, Minneapolis, Minn.                            | 2504 |   | 40  | Peter Smits, Capetown, So. Africa                                  | 244 |   |
| 6   | Leif Robinson, Torrance, Cal.                                  | 2133 | S | 41  | Fejes, Budapest, Hungary   | 243 |   |
| 7   | Robert Adams, Neosho, Missouri                                 | 1987 | S | 42  | Juan Nestler, Santiago, Chile                                      | 219 |   |
| 8   | Clinton Ford, Suffield, Conn.                                  | 1840 | S | 43  | L.L. vanZyl, Boksburg, So. Africa                                  | 212 |   |
| 9   | Ferdinand Hartmann, St. Albans NY                              | 1756 |   | 44  | Luiz Muniz, Riode Janeiro, Brazil                                  | 208 |   |
| 10  | Leslie Peltier, Delphos, Ohio                                  | 1310 | S | 45  | James Robinson, Las Cruces, N.M.                                   | 196 | S |
| 11  | Robert Allin, Alberta, Canada                                  | 1071 | S | 46  | Paul Ahnert, Thuringen, Germany                                    | 189 |   |
| 12  | Domingo Taboada, Puebla, Mexico                                | 1002 |   | 47  | Leopoldo Celis, Santiago, Chile                                    | 170 |   |
| 13  | David Rosebrugh, Meriden, Conn.                                | 962  |   | 48  | F. Traynor, Sydney NSW, Australia                                  | 158 |   |
| 14  | Miguel Valdez, Lima, Peru                                      | 945  |   | 49  | O.M. Erpenstein, Millbrae, Calif.                                  | 154 | S |
| 15  | Charles Giffen, Milwaukee, Wis.                                | 934  | S | 50  | Gabriel Garland, Santiago Chile                                    | 154 |   |
| 16  | Tatsuo Yamada, Aichi, Japan                                    | 833  |   | 51  | D.W. Orchiston, Sydney NSW, Austr.                                 | 152 |   |
| 17  | Werner Braune, Berlin, Germany                                 | 729  |   | 52  | S.C. Venter, Pretoria, So. Africa                                  | 149 |   |
| 18  | Rudolph Reinhard, Berlin, Germany                              | 683  | S | 53  | Frank Kelly, St. Petersburg, Fla.                                  | 148 |   |
| 19  | Patrick Parker, Griffin, Georgia                               | 663  |   | 54  | Norman Godfrey, Austin, Texas                                      | 144 |   |
| 20  | G.B. Lacchini, Faenza, Italy                                   | 635  | S | 55* | Ray Berg, Dyer, Indiana  | 135 |   |
| 21  | Michiel Overbeek, Germiston, S. Afr                            | 634  | S |     | *plus 5 <sup>h</sup> 12 <sup>m</sup> AE Aqr; 10 <sup>m</sup> V Sge |     |   |
| 22  | Kenneth Fuller, Mesa, Arizona                                  | 598  |   | 56  | Pinter, Budapest, Hungary  | 131 |   |
| 23  | Rodrigo de la Vega, Santiago, Chile                            | 538  |   | 57  | William A. Miller, Glen Rock, N.J.                                 | 129 |   |
| 24  | Koppany Thaly, Budapest, Hungary                               | 464  |   | 58  | Leonard Solomon, Brooklyn, N.Y.                                    | 128 |   |
| 25  | Paul Skaritka, Bronx, New York                                 | 430  |   | 59  | Jeremy Knowles, Hollis, New York                                   | 127 |   |
| 26* | Wayne Lowder, Peiham, New York                                 | 395  | S | 60  | Paul Evans, Sydney, NSW, Australia                                 | 126 |   |
|     | *plus 19 <sup>m</sup> UV Cet                                   |      |   | 61  | Wolfgang Quester, Berlin, Germany                                  | 126 |   |
| 27  | R.H. Bicknell, Shamva, So. Rhodesia                            | 384  |   | 62  | George Diedrich, Elyria, Ohio                                      | 123 |   |
| 28  | Allen Montague, Oak Park, Illinois                             | 378  |   | 63  | Francis Price, Queens Vill, N.Y.                                   | 119 |   |
| 29  | Brian Bell, Hollywood, Cal.                                    | 359  | S | 64  | James Breckinridge, Cleveland, O.                                  | 112 | S |
| 30* | Charles McPherson, Edgar, Montana                              | 338  |   | 65  | Morgan Thomas, Seattle, Wash.                                      | 101 |   |
|     | *plus 30 <sup>m</sup> V Sge                                    |      |   | 66  | John Graham, Northbridge NSW, Aust.                                | 100 |   |
| 31  | Francis Morgan, Quebec, Canada                                 | 329  |   | 67  | Ronald Bales, Salem, Oregon  | 99  |   |
| 32* | Donald Engelkameir, Hinsdale, Ill.                             | 314  | S | 68  | A.R. Ball, Milwaukee, Wisconsin                                    | 99  | S |
|     | *plus 26 PEP RS Oph; 54 <sup>m</sup> V Sge                     |      |   | 69  | Edward Anderson, Philadelphia, Pa.                                 | 87  |   |
|     | 7 <sup>h</sup> 34 <sup>m</sup> AD Leo; 6 <sup>h</sup> ADS 8862 |      |   | 70  | Claude Carpenter, Romoland, Calif.                                 | 84  | S |
| 33  | Carlos Segers, Buenos Aires, Argen.                            | 303  |   | 71  | Dan Judd, Albuquerque, New Mexico                                  | 83  |   |
| 34  | Raymond Dudley, Newport Beach, Cal                             | 293  | S | 72  | Lancaster Hiatt, Arlington, Va.                                    | 80  |   |
| 35  | Chang-Hsien Tsai, Taipei, Taiwan                               | 283  |   | 73  | Howard Nightingale, NSW, Australia                                 | 79  |   |
| 36  | Walter Kaminski, Milwaukee, Wis.                               | 281  |   | 74  | D.M. Fletcher, Philadelphia, Pa.                                   | 78  |   |

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|     |                                      |      |  |      |
|-----|--------------------------------------|------|--|------|
| 75  | Arturo Martinez, Santiago, Chile     | 76   | 127 Robert Brady, Atlanta, Georgia       | 14   |
| 76  | Szakely, Budapest, Hungary           | 74   | 128 Nona Ledbetter, Vicksburg, Miss.     | 14   |
| 77  | Lajos Sartha, Budapest, Hungary      | 71   | 129 Paul Diedrich, Cleveland, Ohio       | 13   |
| 78  | Santiago Barrera, Santiago, Chile    | 70   | 130 Robert Miller, West Miami, Florida   | 13 S |
| 79  | Herbert Beidler, Chicago, Illinois   | 69   | 131 Vincent Thurn, Lorsbach, Germany     | 13   |
| 80  | Robert Greenley, Caldwell, N.J.      | 69   | 132 George Glagola, Cleveland, Ohio      | 12   |
| 81  | Victor Estremadoyro, Lima, Peru      | 67   | 133 Roger Kopp, Pleasant Ridge, Mich.    | 12   |
| 82  | M. Lattey, Vernon, B.C., Canada      | 67   | 134 William Silveira, San Bruno, Cal.    | 12   |
| 83  | R. De Freitas Mourao, Rio, Brazil    | 57   | 135 Szento, Budapest, Hungary            | 12   |
| 84  | Philip Peters, Long Beach, Cal.      | 57   | 136 Bakos, Budapest, Hungary             | 11   |
| 85  | Richard Stanton, Santa Monica, Cal.  | 53   | 137*Margaret Mayall, Cambridge, Mass.    | 11   |
| 86  | Orin Kindt, Kenosha, Wisconsin       | 52   | *plus 19 <sup>m</sup> V Sge              |      |
| 87  | David Halvorson, Pitman, N.J.        | 51   | 138 Benjamin Zellner, Culloden, Ga.      | 11   |
| 88  | Donald Koons, Waverly, New York      | 51   | 139 Tim Apolito, Cleveland, Ohio         | 10   |
| 89  | Donald Rosenfield, Edmonton, Canada  | 50   | 140 Mojsza, Budapest, Hungary            | 10   |
| 90  | Norman Hutchings, Victoria, Canada   | 49   | 141 Francis Wilford, Milwaukee, Wisc.    | 10   |
| 91  | Hernan Salce, Santiago, Chile        | 46   | 142 P.L. Williamson, Hornsby NSW, Aust.  | 10   |
| 92  | Wallace Byrd, Coalgate, Oklahoma     | 44   | 143 Dale Brechin, Milwaukee, Wisc.       | 9    |
| 93  | William Weaverling, Dyer, Indiana    | 43   | 144 M. Hess, Philadelphia, Penna.        | 9    |
| 94  | Frank Welker, Chicago, Illinois      | 41   | 145 Tim Hunter, Arlington Hgts, Ill.     | 9    |
| 95  | Robert Price, N.S.W., Australia      | 40   | 146 I.P. Debono, Sydney NSW, Australia   | 8    |
| 96  | Christine Rosenfield, Edmonton, Can  | 39   | 147 Fekete, Budapest, Hungary            | 8    |
| 97  | Roy Anderson, St. Petersburg, Fla.   | 37   | 148 Paul Andrassy, Cleveland, Ohio       | 7    |
| 98  | John Ries, Milwaukee, Wisconsin      | 37 S | 149 D. Claus, Philadelphia, Penna.       | 7    |
| 99  | Craycroft Wilson, East Meadow, N.Y.  | 37   | 150 J.G. Goodsell, So. Pasadena, Calif.  | 7    |
| 100 | Gordon Smith, Ontario, Canada        | 34   | 151 Anthony Huli, Suffield, Conn.        | 7    |
| 101 | DeLorne Diedrich, Elyria, Ohio       | 32   | 152 Donald Humphrey, N.S.W., Australia   | 7    |
| 102 | Roger Grossenbacher, Seville, Ohio   | 32   | 153 David Lorusso, Denver, Colorado      | 7    |
| 103 | Carolyn Hurless, Lima, Ohio          | 32   | 154 Robert James, Milwaukee, Wisconsin   | 6    |
| 104 | Albert Sharpless, So. Miami, Florida | 32   | 155 Jack Kubanoff, Philadelphia, Penna   | 6    |
| 105 | Carlos Diaz, Santiago, Chile         | 31   | 156 Tom McFarland, Milwaukee, Wisconsin  | 6    |
| 106 | Robert Percy, Indianapolis, Ind.     | 31   | 157 Ronald Rosalsky, Englewood, N.J.     | 6    |
| 107 | Bruce Bohannon, Alberta, Canada      | 30   | 158 F. Lewindon, NSW, Australia          | 5    |
| 108 | Gausser, Budapest, Hungary           | 30   | 159 Norman Mayall, Cambridge, Mass.      | 5    |
| 109 | Jerome Wyckoff, Ridgewood, N.J.      | 30   | 160 Norman Olsen, Fayetteville, N.Y.     | 5    |
| 110 | Erasmio Ortiz, Santiago, Chile       | 29   | 161*Russell Smith, Eagle Pass, Texas     | 5    |
| 111 | R.C. Shinkfield, South Australia     | 28   | *plus 2 <sup>h</sup> V Sge               |      |
| 112 | Edward Halbach, Milwaukee, Wisc.     | 27 S | 162 George Wallerstein, Pasadena, Cal.   | 5    |
| 113 | Richard Wend, Milwaukee, Wisc.       | 24 S | 163 William Albrecht, Milwaukee, Wisc.   | 4    |
| 114 | L.J.A. Williamson, NSW, Australia    | 24   | 164 Joseph Kammel, New York, N.Y.        | 4    |
| 115 | James Carlisle, Spartanburg, S.C.    | 23   | 165 R.R. Staer, N.S.W., Australia        | 4    |
| 116 | James Ellerbe, Turaiif, Saudi Arabia | 23   | 166 H. VanZant, Philadelphia, Penna.     | 4    |
| 117 | Tom Constanten, Las Vegas, Nevada    | 20   | 167 Larry Faulkner, Shreveport, La.      | 3    |
| 118 | Robert Magruder, Chester, Virginia   | 19   | 168 Richard Harman, Harman, West Va.     | 3    |
| 119 | Tom Roderick, Cuyahoga Falls, Ohio   | 18   | 169 Molnar, Budapest, Hungary            | 3    |
| 120 | John Gomochak, Struthers, Ohio       | 17   | 170 Tokodi, Budapest, Hungary            | 3    |
| 121 | Ronald Royer, Pico Rivera, Calif.    | 17   | 171 Larry Bogen, Cleveland, Ohio         | 2    |
| 122 | James Berg, Dyer, Indiana            | 16   | 172 Frederick Fallon, Silver Spring, Md. | 2    |
| 123 | Andrew Brown, Ferrum, Virginia       | 16   | 173 Elfriede Knowles, Jamaica, N.Y.      | 2    |
| 124 | Clarion Cochran, Concord, Calif.     | 16   | 174 A. Richter, Philadelphia, Penna.     | 2    |
| 125 | E.C. Melville, Kingston, Jamaica     | 16 S | 175 Martin Sloan, Escondido, Calif.      | 2    |
| 126 | James Templeton, Austin, Texas       | 16   | 176 J.H. Conklin, Philadelphia, Penna.   | 1    |

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|                                       |   |  |   |
|---------------------------------------|---|--|---|
| 177 Dale Cruikshank, Des Moines, Iowa | 1 | 181 John Josephson, Cleveland, Ohio    | 1 |
| 178 T. Faust, Philadelphia, Penna.    | 1 | 182 Ponory, Budapest, Hungary          | 1 |
| 179 Emily Fernald, Wilton, Maine      | 1 | 183 Albert Ullmann, Forest Hills, N.Y. | 1 |
| 180 Tamas Jager, Budapest, Hungary    | 1 | 184 Jerome Walsh, Whitefish Bay, Wisc. | 1 |

Other Activities. The Chairmen of all Divisions and Committees of the AAVSO report a very active year. They should all be given a vote of thanks for their splendid work. In addition to giving much of their time, they also furnish most of their own postage, stationery, etc.

Personnel. It is always a pleasure to acknowledge my appreciation for the fine work of our AAVSO assistant, Helen Stephansky. And thanks to the financial help of the National Science Foundation, we have also been able to have Florence Campbell Bibber do part time work for us. We are very fortunate to have two such capable assistants.

I also want to take this opportunity to thank all the officers, members and friends of the AAVSO who give us so much help of all kinds.

Respectfully submitted,

MARGARET W. MAYALL  
Director, AAVSO