## 24TH ANNUAL REPORT OF THE RECORDER FOR THE YEAR ENDING SEPTEMBER 30, 1955

The year 1954-55 has been a year of the greatest contrasts in the history of the AAVSO. Financially it has been one of the most trying we have ever had, but it has reached heights scientifically and in the loyalty and enthusiasm of our members and friends.

The Recorder has had to spend a great deal more time than she should on the major problem of raising funds. In the AAVSO files there is much fine material for research programs, but work on those can be postponed better than our immediate need for money to keep our office open. The grant we received from the National Science Foundation early in 1954 covered our major expenses in compiling, studying and preparing for publication the observations furnished by our observers, but it was only a one-year grant. Since January 1955 the Recorder has volunteered her services in order to keep the work going and to stretch our meager funds as far as possible.

In addition to the problem of raising funds for current expenses, the Endowment Fund has been a major consideration. Good publicity is always a great help in any fund-raising campaign. Through our concerted efforts there has been mention of the work of the AAVSO in such nationally-known publications as Mechanics Illustrated, the Saturday Evening Post, Life, Think, Scientific American, and United Press releases. The Treasurer's report will give details of the results of our campaign; it is sufficient to say here that the response has been very enthusiastic. Contributions from our members and friends have been very generous, but we still need some large gifts to make us self-supporting. We can use only the income from the Endowment Fund, which at present provides only a small percentage of our budget.

Throughout the year, we have had many requests from professional astronomers for special information and light curves of interesting variables. We are always pleased to be able to supply any such information. Recent dates of maxima for about 420 variables were determined for use in the second edition of the General Catalogue of Variable Stars now being prepared by Professor Kukarkin and his co-workers. It is not a one-way service, for the observatories have been very generous in their help to the AAVSO. I particularly want to mention the members of the staffs of the Warner and Swasey, Lick, and Mount Wilson observatories who have indicated their willingness to help us in identification problems and to supply photovisual plates for new blueprint charts.

It was my privilege to attend the Ninth General Assembly of the International Astronomical Union held in Dublin in September of this year, and to speak for the AAVSO at the meetings of the Commission on Variable Stars. Members of the Union were enthusiastic in their appreciation of the work of the AAVSO, and of the other amateur observing groups. At my request, an informal meeting was held for those interested in the programs of the variable star associations. Representatives of the British, Scandinavian, Italian, and Dutch associations were present, as well as some professional astronomers who suggested programs they would like to see carried out.

The 13th Merit Award of the AAVSO was presented at the 1954 Annual Meeting to Roy Seely, "In recognition of his faithful devotion to the interests of the Association for over thirty years, of his loyal services as President and Secretary, and especially of his untiring efforts in producing new variable star charts." The beautifully illuminated certificate was the final work of our Patron member, Fred E. Jones.

As a result of our plea for sustaining members (those who pay \$10 or more per year), we elected three at the Fall meeting and ten at the 1955 Spring meeting. In the fall we also elected 31 new annual members, and in the spring one life member and 25 annual members.

During the year we suffered the sad loss of six of our most beloved members: D. F. Brocchi, Morgan Cilley, Charles Elmer, Neal Heines, Fred Jones, and Joseph Meek.

Requests for Information. The publicity we received during the year brought in 345 requests for information about the AAVSO. 119 of these were from people who had telescopes and seemed genuinely interested. They received the information kit containing the instruction booklet, application blank, etc. A special kit was sent to the many children who asked for "all information about the stars, sun, planets, etc." Several children are contributing observations and waiting anxiously for their loth birthdays so they can become members.

Special Contributions from Members. This year, as usual, our members and friends were very generous in coming forward with help when we needed it. Mrs. Phoebe Haas has continued her fine work in bringing up-to-date the 10-day mean values of observations for the mean light curves. Lewis Boss helped with some of our mimeographing, particularly with Bulletin No. 8. Dr. Paul Watson gave us enough copies of the 1955 Graphic Time Table of the Heavens to distribute to all of our members. The United Scientific Company printed the Julian Day Calendar in a very attractive and useful new form, and distributed it very widely among their clients as well as AAVSO members, thus giving the AAVSO some good publicity. Ralph Buckstaff generously helped the Solar Division by taking care of printing the Stonyhurst Discs and a guide for the classification of sunspots. Newton Mayall paid the legal advisors for the AAVSO to set up the new constitution, and to give legal aid in matters relating to the Endowment Fund. He also furnished office supplies whenever they were needed.

Clinton Ford gave us a beautiful new Nikor paper cutter — a safe one guaranteed to cut paper and not fingers, as the old guillotine type constantly threatened to do. New members now receive a very beautiful membership certificate, designed by Edgar Paulton. It makes an added incentive for annual members to change their status to sustaining membership.

Charles Aronowitz very kindly helped the Endowment Fund by typing addresses on a batch of envelopes. Two of the Recorder's friends assisted with the Linedex typing: Mrs. Dorothy W. Saltmarsh spent many winter evenings at 4 Brattle Street from six pm until after midnight, and Mrs. Regina Gawlinski was also very helpful.

Library. During the year, the AAVSO Charles Y. McAteer Library has received 109 publications, 339 pamphlets, reprints, and circulars, and 16 bound volumes. Harry Bondy very kindly bound eight volumes of publications for us: five of Sky and Telegope magazine, two of the Journal of the Royal Astronomical Society of Canada, and one of the last of the Popular Astronomy "Variable Star Notes" (1946-1951).

Telescopes. John Welch has spent a very busy year repairing telescopes and straightening out the records on the many telescopes out on loan to members. In the past years scopes were often transferred from one member to another, and very incomplete records are available. Cyrus Fernald has very generously donated to the Association a 2.4 inch Unitron refractor, complete with equatorial mounting and accessories.

Publications. The most important work during the year has been the completion of

24th Annual Report - 3 -

Leon Campbell's volume containing dates of maxima and minima, and mean light curves determined from AAVSO observations. This volume has been subject to many delays. Mr. Campbell began the preparation in the 1930's, but publication was impossible when war broke out. After the war, he decided to revise many details and to bring it more up-to-date, with material available up to 1948. It was a great sorrow for all of us that he did not live to see his great work completed.

Many members have taken part in the preparation of the volume. The major part of the typing was done by Mr. Campbell's daughter, Florence Campbell Bibber. David Rosebrugh plotted the mean light curves from Mr. Campbell's tables of mean values; the present Recorder drew the smoothed curves, and Newton Mayall made the final drawings for publication. Helen Stephansky did some of the final typing and also examined all of the proof sheets from the publishers. A very generous anonymous gift from one of our good members had made publication possible at a reasonable price, in these days of extremely high book costs.

Work is progressing on Quarterly Report No.18, which will contain 10-day mean values for all AAVSO observations made during the year 1951. All observations were typed on linedex strips from the report sheets. These strips were then sorted and filed in the linedex panels in order of date under each variable. The observations were grouped in 10 day intervals and means were completed. Helen Stephansky has completed the typing of these means for all the variables in the first 18 hours of right ascension. When the typing is completed, the linedex panels will be photographed on microfilm, for convenient storage. They can easily be reproduced any time in the future for anyone who wants to study the individual observations.

Five bulletins were issued during the year: Nos. 6, 7, 9, and 10 containing bimonthly predictions of approximate brightness of the variables and news notes for the observers, and No.8 containing the 1955 Annual Predictions of Maxima and Minima of the Long Period Variables. One of the council members mentioned that he thought the bimonthly predictions and news notes seemed to be an unnecessary expenditure of time and money, so as a test I decided to omit the numbers for July and September. The reaction from the observers shows without doubt that the bulletins have been used and appreciated. Nearly every day brings a request for the missing numbers. The sad result of the test is that the monthly reports contain many more "less-than" observations, for the observers cannot plan their observing programs as efficiently without the predictions.

Variable Star Notes have appeared in each of the six issues of the Journal of the Royal Astronomical Society of Canada during the year. A few reprints of these notes are available for members who desire them. A new membership list was issued in June 1955, and mimeographed copies of the new constitution were sent to all members. Newton Mayall continued his Abstracts of papers presented at the Spring and Fall meetings.

The Mayalls were privileged to revise William Tyler Olcott's "Field Book of the Skies," They made arrangements with the publisher, G.P. Putnam's Sons, to get copies of the book at a discount. The books were sold to members at the regular bookstore price, and all profits and royalties went into the Endowment Fund. Over \$200 was collected in this way. The Amateur Telescope Makers of Boston contributed \$153 to the fund through purchases of the Field Book and additional contributions collected at the

Annual Summary of Observations. During the fiscal year of 1954-55, 144 observers contributed 64,990 observations in 709 reports, an average of 60 reports per month. Twenty-three observers sent in reports each month; 4 sent in 11 reports during the year; 4 sent 10; 6 sent 9; 1 sent 8; 4 sent 7; and 8 sent 6 reports. Ninety-four observers sent in 5 reports or less, with 38 of them sending just one report during the year. Thirty-five observers from 19 countries outside the United States contributed 28% of the total. The other 72% came from 109 observers in 26 states of the U.S.A. Table I lists the country (column 1), number of observers (column 2), and number of observations (column 3).

|                                                                              | •                               | ,                                                          | TABLE | I                                                                                          |                                             |                                                                         |
|------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------|---------------------------------------------|-------------------------------------------------------------------------|
| Alaska Argentina Australia Canada Chile Denmark Egypt England France Germany | 1<br>1<br>2<br>1<br>5<br>1<br>5 | 2<br>289<br>121<br>141<br>7<br>21<br>69<br>24<br>61<br>764 |       | Greece Italy Jamaica Japan Mexico Peru South Africa Southern Rhodesia Sweden United States | 1<br>2<br>1<br>3<br>2<br>1<br>4<br>1<br>109 | 2731<br>1170<br>44<br>443<br>1573<br>26<br>8552<br>534<br>1511<br>46907 |

Table II contains the break-down by states, listed in the same form as Table I. The large number of observations from New York is due to the remarkable work of the Observing Group of the Amateur Astronomers Association, and the Junior Astronomy Club. Nearly 34% of all observations received came from these two groups. It is through their efforts that we are getting good light curves for some of the extremely interesting bright, red, semi-regular and irregular variables.

|               |    |      | TAB | LE | II              |     |        |
|---------------|----|------|-----|----|-----------------|-----|--------|
| Alabama       | 1  | 30   |     |    | Montana         | 1   | 182    |
| California    | 12 | 3439 |     |    | New Jersey      | 7   | 1154   |
| Connecticut   | 3  | 2224 |     |    | New Mexico      | ĺ   | 10     |
| Georgia       | 3  | 281  |     |    | New York        | 25  | 23863* |
| Illinois      | 9  | 2176 |     |    | *21,289 from AA |     |        |
| Indiana       | 2  | 71   |     |    | North Carolina  | 1   | 5      |
| Iowa          | 1  | 4    |     |    | Ohio            | 8   | 3242   |
| Louisiana     | 1  | 25   |     |    | Pennsylvania    | 1   | 5      |
| Maine_        | 1  | 3268 |     |    | South Carolina  | 1   | 35     |
| Maryland      | 3  | 128  |     |    | Texas           | 3   | 172    |
| Massachusetts | 1  | 104  | ٠.  |    | Virginia        | ì   | 34     |
| Michigan      | 2  | 106  |     |    | Washington      | 3   | 69     |
| Minnesota     | 4  | 3651 |     |    | Wisconsin       | 10  | 460    |
| Missouri      | 4  | 2169 |     |    | TOTALS: 26      | 109 | 46907  |

More than 30 of our observers have telescopes of 7" or larger. We are holding these people responsible for getting observations at or near minimum light for the fainter variables. During the past year they have cooperated very well. Five observers: Robert Adams, Harry Bull, Claude Carpenter, Thomas Cragg, and Paul Watson have had observations of 14.0 or fainter on each report sent in during the year; and Adams and Cragg sent reports each month. Five more observers, Demetrius Elias, Clinton Ford, C. J. Renner, Michiel Overbeek, and S. C. Venter had observations 14th magnitude or fainter on more than half of their reports. (Clint Ford had one bad month out of his 12, when he did not get below 13.6) Charles Aronowitz, A. R. Ball, Per Darnell,

Edward Halbach, Giovanni Lacchini, Ronald Royer, and Leonard Solomon contributed a few fainter than 14 observations, but not enough to admit them to the "Inner Sanctum." Nineteen other observers have had observations 13.0 or fainter. If this work continues, the bottoms of the light curves will be as well observed as the tops.

In addition to the regular type of observation of the variables, some of the observers are carrying out special programs on the flare stars, by keeping a constant watch for a stated period of time. The rapidly varying star AE Aquarii was watched for 28 minutes by Bull, for 4 hours by Overbeek, and for 1 hour and 28 minutes by Watson. UV Ceti was watched one hour 14 minutes by A.W. Mount, one hour 30 minutes by Overbeek, and one hour by Venter. Darsenius has kept watch on two known flare stars, 9 hours 44 minutes on DO Cephei, and 10 minutes on WX UMa, and 44 minutes on a possible flare star, BD 455°1823. The reports were all negative — that is, no flares, but the observations are very important statistically.

During the year we had 35 new observers who sent in their first reports; 18 of them have continued to observe, and 11 others who just started in the last few months will probably continue.

The observer with the greatest number of observations this year is Reginald de Kock of South Africa, who has held the record a number of years in the past, with 5,977 observations. In second place is Edward Oravec of New York, with 4,843; third is George Hein of New York with 4,516; fourth is Paul Skaritka of New York with 4,449; fifth is Curtis Anderson of Minnesota with 3,456; Cyrus Fernald of Maine is sixth with 3,268; and Charles Aronowitz of New York is seventh with 3,107. A list of all observers with the number of observations each submitted is given in <u>Table III</u>.

## TABLE III

| 1  | R.P.de Kock, South Africa           | 5,977  | 26 | Allen Montague, Oak Park, Ill.         | 601 |
|----|-------------------------------------|--------|----|----------------------------------------|-----|
| 2  | Edward Oravec, Tuckahoe, N.Y.       | 4,843  | 27 | R.H. Bicknell, South.Rhodesia          | 534 |
| 3  | George Hein, Bronx, New York        | 4,516  |    | Maxwell Kimball, Glen Ridge, N.J.      | 490 |
| 4  | Paul Skaritka, Bronx, N.Y.          | 4,449  |    | Patrick Rizzo, Brooklyn, N.Y,          | 465 |
| 5  | Curtis Anderson, Minnea polis, Minn | • .    |    | Jerome Wyckoff, Ridgewood, N.J.        | 361 |
| 6  | Cyrus Fernald, Wilton, Maine        | 3,268  |    | Harold Kastin, Brooklyn, N.Y.          | 357 |
| 7  | Charles Aronowitz, Brooklyn, NY     | 3,107  |    | Mario Ancarani, Faenza, Italy          | 300 |
| 8  | Demetrius P. Elias, Greece          | 2,731  |    | Carlos Segers, Buenos Aires, Argentina | 289 |
| 9  | T.A. Cragg, Inglewood, Calif.       | 2,392  |    | Ronald Royer, Pac. Palisades, Cal.     | 278 |
| 10 | Robert Adams, Neosho, Missouri      | 2,063  |    | Rudolph Reinhard, Berlin, Germany      | 272 |
|    | Ferd.Hartmann,St.Albans,N.Y.        | 1,811  |    | Ralph Buckstaff, Oshkosh, Wisconsin    | 262 |
|    | Leonard Solomon, Brooklyn, NY       | 1,809  | 37 | Claude Carpenter, Romoland, Calif.     | 231 |
| -  | C.J. Renner, Castalia, Ohio         | 1,646  | 38 | Hugh Boutell, Santa Barbara, Calif.    | 216 |
|    | Domingo Taboada, Puebla, Mexico     | 1,514  |    | Akira Ohta, Saitama, Japan             | 185 |
| 15 | M.D. Overbeek, Transvaal, SoAfr.    | 1,512  |    | Charles McPherson, Edgar, Montana      | 182 |
| /  | Gunnar Darsenius, Goteburg, Swed.   |        |    | Jurgen Muller, Berlin, Germany         | 181 |
|    | Leslie Peltier, Delphos, Ohio       | 1,357  |    | William Miller, Glen Rock, N.J.        | 167 |
|    | Clinton Ford, Suffield, Conn.       | 1,312  | 43 | John Gaustad, Minneapolis, Minn.       | 165 |
|    | S.C. Venter, Pretoria, So. Africa   | .1,014 |    | P.O.Parker, Griffin, Georgia           | 164 |
| 20 | Philip Goldenblatt, Bronx, NY       | 974    | 45 | Eckhard Pohl, Heidelberg, Germany      | 151 |
| 21 | Stephen Maran, Brooklyn, N.Y.       | 930    | 46 | A.W. Mount, Fort Worth, Texas          | 145 |
| 22 | David Rosebrugh, Meriden, Conn      | 910    | 47 | Frank Kelly, Binghampton, N.Y.         | 143 |
| 23 | Giovanni Lacchini, Fannza, Italy    | 7 870  | 48 | Francis Morgan, Verdun, Quebec         | 138 |
|    | Herbert Beidler, Chicago, Ill.      | 744    |    | Sigeru Kanda, Siznoka, Japan           | 135 |
|    | Gerald Schultz, Lincolnwood, Ill    | L. 675 |    | George Diedrich, Elyria, Ohio          | 125 |

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51 Tatsuo Yamada, Zichi, Japan
                                         123
                                              98 Joseph Zelvin, Brooklyn, N.Y.
                                                                                      22
52 Mrs.Rosina Dafter, Queensland, Austra 121
                                              99 Per Darnell, Copenhagen, Denmark
                                                                                      21
                                         113
                                              100 Margaret S. Houston, Manhattan, Kan. 21
53 Donald Charles, Concord, California
                                         105
                                              101 Walter Barber, Atlanta, Georgia
54 Christine Culp, GrandLedge, Michigan
                                              102 Robert Johnsson, Chicago, Illinois 20
55 Jeremy Knowles, Marblehead, Mass.
                                         104
                                          97
                                              103 William Albrecht, Milwaukee, Wisc.
56 Leonard Abbey, Decatur, Georgia
57 Artur Jahn, Berlin, Germany
                                          97
                                              104 Robert Deemer, Pasadena, Calif.
                                                                                      18
                                          81
                                              105 David Halvorson, Woodbury, N. J.
58 Carl Hein, Bronx, New York
                                                                                      18
                                          75
                                              106 Charles Michael, Bucyrus, Ohio
59 Wendell Perry, Massena, N.Y.
                                                                                      15
60 Walter Houston, Manhattan, Kansas
                                          74
                                              107 Robert H.Miller, Baltimore, Md.
61 Joseph Anderer, Chicago, Illinois
                                          73
                                              108 J.Farrell Walsh, Brooklyn, N.Y.
                                                                                      15
                                                                                      14
62 Paul Watson, Pasadena, Maryland
                                              109 Dan Davis, Jr., Childress, Texas
                                              110 William Gleason, Ellington, Texas
                                                                                      13
63 Kenneth Weitzenhoffer, New York, N.Y.
                                          70
                                                                                      12
64 O.M. Erpenstein, Millbrae, Calif.
                                          68
                                              111 Eugene Lonak, Chicago, Illinois
65 A. R. Ball, Milwaukee, Wisconsin
                                          64
                                                                                      11
                                              112 Donald Zahner, Clayton, Missouri
66 Amy Eliasoff, Belle Harbor, N.Y.
                                              113 Russell Kofeod, Lincolnwood, Ill.
                                                                                      10
                                          64
67 F. Dorr, Berlin, Germany
                                                                                      10
                                          63
                                              114 Charles Ricker, Albuquerque, N.M.
                                          63
                                                                                       9
68 Edward Halbach, Milwaukee, Wisconsin
                                              115 Albert Hinn, Bronx, New York
                                                                                       9
69 Robert Pearcy, Indianapolis, Indiana
                                          62
                                              116 James G.Peters, New Albany, Ind.
                                                                                       ġ
70 Rene Ficonetti, Ollioules, France
                                              117 Robert Fellenz, Marshfield, Wisc.
                                          61
                                                                                       8
71 Robert Greenley, Caldwell, N.J.
                                          60
                                              118 Louis Rick, Elyria, Ohio
                                                                                       8
72 Francisco Escalante, Los Pinos, Mexico
                                          59
                                               119 Howard Thomas, Coulee Dam, Wash.
                                                                                       7
                                          57
73 William Mebius, Verona, New Jersey
                                               120 Hector Alvarez, Santiago, Chile
                                                                                       7
                                          53
74 Jim Breckinridge, Cleveland Hts., Ohio
                                               121 R.A. Haberstroh, Milwaukee, Wisc.
                                                                                       ?
6
75 S. Archer, Cape, South Africa
                                          49
                                               122 Stephen Robb, Minneapolis, Minn.
76 Gilbert Matthews, New York, N.Y.
                                          48
                                               123 Helene Calamaras, Woodside, N.Y.
                                                                                       6
77 Howard Sturgis, Los Angeles, Calif.
                                          45
                                               124 John Neff, Milwaukee, Wisconsin
                                                                                       6
78 E. C. Melville, Jamaica, B.W.I.
                                          44
                                              125 Edgar Paulton, Brooklyn, N.Y.
                                                                                       6
79 Harry Bull, Baltimore, Maryland
                                          42
                                               126 Donald Rosenfield, Chicago, Ill.
                                                                                       6
80 William Glenn, New York, N.Y.
                                          40
                                               127 Kenneth Walko, Elyria, Ohio
81 Allan Stupp, New York, New York
                                                                                       5
                                          40
                                               128 Leo Kelley, Jackson Hts, New York
82 Morgan Thomas, Winslow, Washington
                                          36.
                                               129 Julia Perley, Fort Bragg, No.Car.
83 James Carlisle, Spartanburg, So. Car.
                                          35
                                               130 John Weaver, Lancaster, Penna.
84 Toby Owen, Chicago, Illinois
                                          35
                                              131 Dale Cruikshank, Des Moines, Iowa
85 Lancaster Hiett, Arlington, Virginia
                                          34
                                               132 Richard Saffadi, Alexandria, Egypt
                                          32
86 Alfred Behar, Alexandria, Egypt
                                               133 William Sullivan, SanFrancisco, Cal
87 Elias Semos, Alexandria, Egypt
                                          31
                                               134 Arthur Dalton, Alberta, Canada
88 LaVaughn Hales, Boaz, Alabama
                                          30
                                               135 Alika Herring, South Gate, Calif.
89 DeLorne Diedrich, Elyria, Ohio
                                          29
                                               136 Ronald Chiabotta, Kansas City, Mo.
90 R. James, Milwaukee, Wisconsin
                                           27
                                               137 L.Clendenning, Milwaukee, Wisc.
91 Victor Estremadoyro, Lima, Peru
                                           26
                                               138 William Konig, Milwaukee, Wisc.
                                                                                       2
92 Robert Gemberling, Spokane, Wash.
                                           25
                                               139 Robert Pivonka, Anchorage, Alaska
                                                                                       2
93 R.M. Womelsdorff, Lake Charles, La.
                                          25
                                               140 Anne Silverstein, Brooklyn, N.Y.
                                                                                       2
94 Linda Crouse, New York, N.Y.
                                          24
                                               141 Clarence Lee, West Englewood, NJ
95 Patrick Moore, Sussex, England
                                           24
                                               142 Allan Lofberg, Alexandria, Egypt
96 Victor Blunck, Minneapolis, Minn.
                                           23
                                               143 Dicran Tutundjian, Alexandria, Egypt 1
97 J.G. Goodsell, South Pasadena, Cal.
                                               144 Tom Waskiewicz, Inkster, Michigan 1
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This year we had 7 observers with more than 3,000 observations; three between 2000 and 3000; and 9 between 1000 and 2000. These first 19 observers contributed more than 50,000 observations. It is hoped that many of the other observers will be able to make more observations another year, for we need observers scattered all over the world in order to continue our complete coverage of the light curves. It must be emphasized that quantity of observations is not as important as quality. Of course

24th Annual Report - 7 -

I do not mean to intimate that the work of our "top" observers is not of the highest quality. But many of our observers with a small number of observations selected their variables carefully and did extremely important work.

Other Activities. The reports of the chairmen of the various divisions will give details of their work. The Solar Division is being reorganized by its new Chairman, Harry L. Bondy. He has great plans for extending the work in the near future. George Diedrich, Chairman of the Nova Search Division, has devised a new way of listing observations by "area-nights," which will simplify the publication of reports.

The Occultation Division is planning to expand its work by observing some occultations with photoelectric photometers. The Photoelectric Photometer committee is preparing mimeographed instructions for the setup of PEP equipment. The Auroral Division has been discontinued, not because the work is less important, but because Dr. Gartlein of Cornell University is now able to handle the reports directly and it is no longer necessary to have an AAVSO division acting as a clearing house for him.

Personnel. The association has been very fortunate in having Miss Helen Stephansky continue her work as AAVSO Assistant. Her news notes have been a very popular addition to our Bulletins, and she has helped the association with her publicity releases. The Recorder is particularly grateful for her able work in taking care of the Headquarters office this summer.

I would like to express my appreciation for all the help and encouragement I have received from all the members and friends of the AAVSO.

Respectfully submitted,

MARGARET W. MAYALL Recorder and Director, AAVSO