

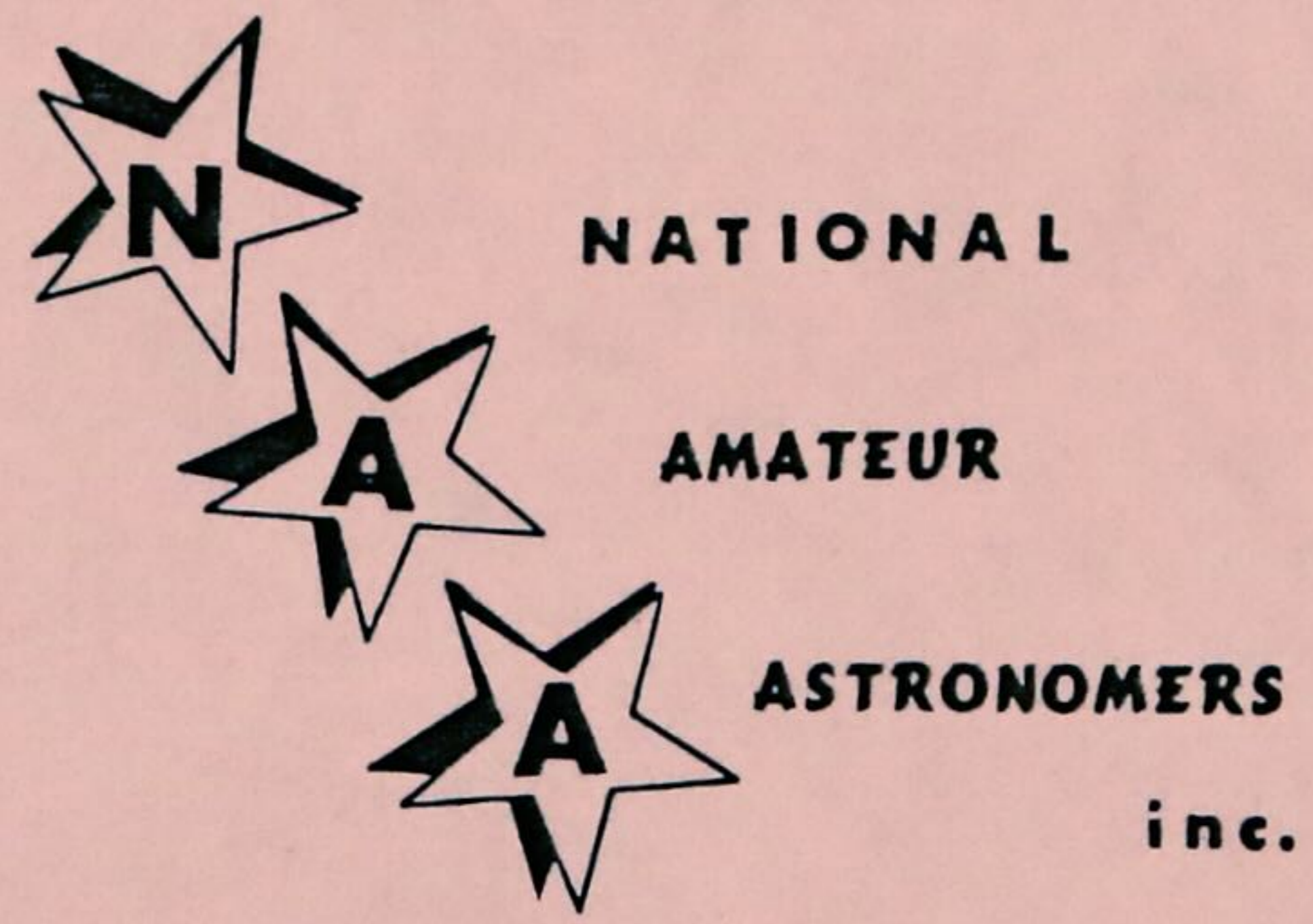
SLIDES OF THE FUTURE ARE HERE TODAY

— FROM TERSCH

COMETS  
 Veil Nebula  
 Apollo Program  
 THE MOON  
 SPACE  
 Crab Nebula  
 JUPITER'S SATELLITES  
 Celestial Objects  
 CLUSTERS  
 ASTEROIDS  
 MARS  
 THE SUN  
 SATURN  
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# The Amateur Astronomer

His Contributions to

- Science
- Community
- Self

AUGUST 20 - 23, 1969

UNIVERSITY OF DENVER  
 DENVER, COLORADO

NAA Presents

The Third

NATIONWIDE AMATEUR ASTRONOMERS CONVENTION

August 20 - 23, 1969

Astronomical League — 23rd General Convention

**NAA Staff**

General Chairman ..... Ken Steinmetz  
Assisted by ..... Derald Nye  
Herb Roth

Registration and  
Physical Facilities ..... William VanNattan  
Assisted by ..... Dottie Jensen  
Charles Twomey  
Lou Walter

Treasurer ..... Robert Spencer  
Exhibits ..... Henry D. Fiske  
Field Trips ..... W. Fred Coellen  
Program and Proceedings ..... Andy Gassmann

**Sponsored by:**

Department of Mathematics ..... University of Denver  
Department of Physics ..... University of Denver

**Assisted by:**

Denver Astronomical Society

**PROGRAM**

**TUESDAY, AUGUST 19**

1500-2200 Registration — Lobby of Centennial Hall

2000-2300 Observing — Chamberlin Observatory

**WEDNESDAY, AUGUST 20**

0700-0800 Breakfast — Centennial Hall

0800-1000 Registration — Lobby of Centennial Hall

1000-1145 FIRST GENERAL SESSION:

CHAIRMAN: KEN STEINMETZ

Welcoming Speeches:

Ken Steinmetz: National Amateur Astronomers

Representative: University of Denver

William Du Vall: Astronomical League

Ernest Robson: REPORTS ON THE CONVOCATION AND ESTABLISHMENT OF THE FIRST INTERNATIONAL UNION OF AMATEUR ASTRONOMERS HELD IN BOLOGNA, ITALY, APRIL, 1969

Rev. Kenneth J. Delano: THE QUESTION OF EXTRATERRESTRIAL INTELLIGENCE

Saul G. Levy: WHAT WILL TOMORROW BRING?

1130-1630 Field Trip — North American Air Defense Command

1200-1300 Lunch — Centennial Hall

1330-1600 JUNIOR SESSION:

CHAIRMAN: JOHN L. COTTON, JR.

(Program not available)

1900-2200 Field Trip — Special Showing at Gates Planetarium Featuring Image Orthicon Astronomy

THURSDAY, AUGUST 21

- 0700-0800 Breakfast — Centennial Hall
  
- 0900-1130 SECOND GENERAL SESSION:
  - CHAIRMAN: RUSS MAAG
  - Professor Norihiko Fukuta: THE VENUS CLOUD
  
- 0920 Group Photograph
  - Panel: THE 1970 SOLAR ECLIPSE
  
- 1200-1300 Lunch — Centennial Hall
  
- 1330-1530 THIRD GENERAL SESSION:
  - CHAIRMAN: ANDY GASSMANN
  - R. A. Buchroeder: OFF AXIS TELESCOPES FOR THE ATM
  - V. G. Nikolashin: LIGHTWEIGHTING OPTICAL SYSTEMS
  - Fredrick N. Veio: A NEW SPECTROHELIOSCOPE DESIGN  
(Read by Andy Gassmann)
  - Allan Wentink: PHOTOELECTRIC OBSERVATIONS OF LUNAR OCCULTATIONS
  - Terry Schmidt: SPECIAL TECHNIQUES ON ASTRONOMICAL PHOTOGRAPHY
  - Robert E. Cox: LENS MAKING FOR AMATEURS
  
- 1630 Field Trip — Mountain Picnic, Elk Falls Ranch. Star Party  
4:30 with Telescope Competition

FRIDAY, AUGUST 22

- 0700-0800 Breakfast — Centennial Hall
  
- 0900-1130 FOURTH GENERAL SESSION:
  - CHAIRMAN: DERALD NYE
  - Dr. Murray Dryer: THE INTERPLANETARY MEDIUM AND ITS INTERACTION WITH THE PLANTS
  - Patrick S. McIntosh: TECHNIQUES OF SOLAR FLARE FORECASTING
  - V. H. Goerke: METEORITE AND SATELLITE OBSERVATIONS BY INFRASOUND
  - Gary E. Thomas: THE MARINER '69 FLY-BY MEASUREMENT OF MARS
  
- 1200-1300 Lunch — Centennial Hall
  
- 1300-1730 Field Trip — Visit to ESSA and NCAR, Boulder, Colorado
  
- 2000-2300 Star Party, Chamberlin Observatory
  
- 1930-2200 Special Panel at Loretto Heights Auditorium
  - (Delegates Admission \$1.50, Public \$2.00)
  - SCIENCE AND THE UFO
  - Dr. James A. Harder, University of California
  - Dr. J. Allen Hynek, Northwestern University
  - Dr. James E. McDonald, University of Arizona
  - Dr. Frank B. Salisbury, Utah State University
  - Dr. David R. Saunders, University of Colorado
  - Dr. R. Leo Sprinkle, University of Wyoming

SATURDAY, AUGUST 23

- 0700-0800 Breakfast — Centennial Hall
- 0900-1130 FINAL GENERAL SESSION:  
 CHAIRMAN: WILLIAM VANNATTAN  
 Gary M. Ross: WHEN MAN LOOKS UPWARD  
 Panel: THE AMATEUR ASTRONOMER AND HIS SOCIETY
- 1200-1300 Lunch — Centennial Hall
- 1300-1700 Special Meetings, Topics and Rooms to be Announced
- 1800-2200 Banquet — Student Union  
 Speakers: George T. Keene: LUNAR PHOTOGRAPHY, CLOSE-UP

SUNDAY, AUGUST 24

- 0700-0800 Breakfast — Centennial Hall, Followed by Checkout.

All General Sessions To Be Held In Room 244  
 Business Administration Building

Waldosta, Ga - Va. Center - Southern limit  
 Observed near limits of totality for shadow band  
**NOTES**

Rear projection screen