

DELAWARE ASTRONOMICAL SOCIETY

DAS MONTHLY PROGRAMS - 1984 to Date

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[**NOTE:** **D:** Dinner meeting **F:** Field Trip **M:** Mini-talk]

DAS Programs List - 1984 to Date

YEAR	MONTH	TITLE	PRESENTER
1984	JAN	Tides	Denny Horazak
	FEB	Telescope Making	Ernest Friedlander
		M: Collimating Telescope	Evan Blair
	MAR	Flare Stars	Richard Herr
		M: !Guide to Guides	Emil Volcheck
	APR	D: Astronomy in Ancient Egypt	Gary/Susan Becker
	MAY	Minor Planets	Scott Jackson
		M: Planetary Motion/Keplers Laws(film)	
	JUN	Star Party/UFO's/Close Encounters	
		M: Polar Alignment/Setting Circles	
	SEP	Highlights of 1984	All
	OCT	Terms of Astronomy	Horazak/Sharp/Weaver
		M: Doppler Effect	(film)
NOV	White Dwarfs (Wilm. Library)	Harry Shipman	
DEC	The Joy of Sketching	Jan Romer	
1985	JAN	Binoculars for Astronomy	Al Webber
		M: Powers of Ten	(film)
	FEB	History of Cosmology	Scott Jackson
		M: Algol the Demon Star	(film)
	MAR	Comet Halley	Malcomb Niedner
		M: Planetary Motion	(film)
	APR	Amateur Space Telescope	Robert Fredette
		M: Schmidt Camera	Bill Westergard
	MAY	D: Late Neolithic Astronomy	Brian McCandless
	JUN	Cosmic Background Radiation	John Mather
		M: Homemade Dobsonian	Billy Coleman
	SEP	Adventures in Astronomy	All
	OCT	M: Halley Update	
		Colors of Double Stars	Joe Kaznica
	NOV	M: Stars of Texas	
D: Optics by Questar		Julius Benton	
DEC	DAS & MCAO	Herb Herglotz	
	Public Sky Show - Comet Halley	All	
1986	JAN	Computers in Astronomy	Various
		M: Halley Update	Dave Groski
	FEB	The Messier Objects	Weaver/Groski
		M: Collimate a Newtonian	Bill Coleman
	MAR	Double Stars	Wulff Heintz
		!	M: Halley Update
	APR	Photoelectric Photometry	Francis Spickler
	MAY	M: Short Film	
		D: NASA Teacher-Astronaut	Henry Bouchelle
	JUN	Picnic at MCAO	All
	SEP	Halley's Comet Expedition	Webber/Weaver
Halley at MCAO		Westergard/Stock	
M: Stellafane '86		Bob Wieland	
OCT	Mars:History/Observing It	Bouchelle/Groski	

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	SEP	Halley's Comet Expedition Halley at MCAO M: Stellafane '86	Webber/Weaver Westergard/Stock Bob Wieland
	OCT	Mars:History/Observing It	Bouchelle/Groski
	NOV	Pursuit of Halley's Comet	Rob Gurley
	DEC	30th Anniversary Star Party	
1987	JAN	Former Rulers of the Earth	Joe Kaznica
	FEB	Planetary Atmospheres M: Portable Sundial/Hawaii	Aaron Owens Bock/McLaren
	MAR	F: Sproul Observatory Tour	Wulff Heintz
	APR	Stellar Evolution M: Binary Stars	Bill Westergard Chuck McLaren
	MAY	Astronomy & Astrology M: MERALCON	George Reed Bill Shuman
	JUN	Picnic	
	SEP	Summer Fun	Various
	OCT	Christmas Presents M: What's Up	Various Glen Bock
	NOV	Supernova 1987A	Don Cooke
	DEC	Multi-Minitalks	Wieland/Roemmelt Denlinger/S. Claus
1988	JAN	Beginning Astrophotography	Buckley/Bock
	FEB	Build Your Own Telescope	Groski/McLaren/Jackson
	MAR	F: F&M Observatory Trip	
	APR	Multi-Mini-Mania	Mentzer/Mansell/ Archer/Westergard
	MAY	D: Astrophysics in Delaware	Harry Shipman
	JUN	Picnic at MCAO	
	SEP	Uhe Red Planet	Herb Herglotz
	OCT	Buying a Christmas Scope	Emil Volcheck
	NOV	F: Villanova Observatory Trip	
	DEC	Christmas Party at MCAO	
1989	JAN	Remaking the 24-Inch	Groski/Wilhelm
	FEB	McCullough Planetarium/Saturn	Bouchelle/Archer
	MAR	Multi-Mini-Mania	Wilhelm/Mansell/Ross
	APR	Gusto Cosmology (McCullough)	Henry Bouchelle
	MAY	Picnic at MCAO	
	JUN	D: Russian Space Program	Ed Kaczanowicz
	SEP	Voyager Fly-By/other stuff	Henry Bouchelle/ Bill Westergard
	OCT	Cosmic Landscapes	
	NOV	F: Fels Digistar Trip Stephen Hawking	Joe Kaznica
	DEC	CANCELLED - SNOW	
1990	JAN	Stars of Winter (McCullough)	Henry Bouchelle
	FEB	Computers in Amateus Astronomy	Dave Groski
	MAR	Voyager Looks at White Dwarfs	Harry Shipman
	APR	Automatic Photoelectric Photm.	Emil Volcheck

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1990	JAN	Stars of Winter (McCullough)	Henry Bouchelle
	FEB	Computers in Amateus Astronomy	Dave Groski
	MAR	Voyager Looks at White Dwarfs	Harry Shipman
	APR	Automatic Photoelectric Photm.	Emil Volcheck
	MAY	Journey thru Solar Systems	Jack Fisher
	JUN	D: Einstein's Relativity	Frank Maloney
	SEP	Astronomical Summer	Various
	OCT	Astrophotography	Glenn Bock
	NOV	Astronomy in the Soviet Union	Vladimir Strelnitsky
	DEC	Telescopes & accessories	Dave Groski
1991	JAN	Novae	Bill Westergard
	FEB	Computer Festival	Emil Volcheck et al
	MAR	Comet Hunting (Harriton HS)	David Levy
	APR	Seasonal Constellations	Henry Bouchelle
	MAY	Tour of the Universe	Sheila Vincent
	JUN	D: Extragalactic Research	Barbara Williams
	SEP	Amateur Astronomy in USSR	Bock/Westergard
	OCT	Last Summer's Fun	Various
	NOV	Great Solar Eclipse	Chang/Bouchelle/ Kiser/Volcheck
	DEC	Occultations International	David Dunham
1992	JAN	CCD & Computer Systems - Pt 1	Groski/Bock
	FEB	ditto - Pt 2	
	MAR	Extreme Ultraviolet Spectrum	Harry Shipman
	APR	Light Buckets	Groski/Rautela/ Surles/Todd
	MAY	Binocular Astronomy	Lynn King
	JUN	D: COBE and the Big Bang	Samuel Moseley
	SEP	My Summer Vacation	Various
	OCT	Double Stars	Joe Kaznica
	NOV	Astronomy's Most Influential	George Reed
	DEC	Telescope Making/Party	Groski/All
1993	JAN	Space Travel	Emil Volcheck
	FEB	CCD Update	David Groski
	MAR	CANCELLED - SNOW	
	APR	Voyager's Grand Tour	Norman Ness
	MAY	MCAO Telescope & Hubble	Bill Westergard
	JUN	Slicing/Dream videotapes (in lieu of Fels Planetarium	Webber/Bouchelle Derek Pitts)
	SEP	My Summer Vacation	Many
	OCT	F: WCU Planetarium/Eclipse	John Stolar
	NOV	Astrophotography	Emil Volcheck
	DEC	Xmas party, Buying a Scope video, telescope display	All
1994	JAN	CANCELLED - snow/ice	
	FEB	The Longitude Problem	Bob Mentzer

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	DEC	Xmas party, Buying a Scope video, telescope display	All
1994	JAN	CANCELLED - snow/ice	
	FEB	The Longitude Problem	Bob Mentzer
		Ancient Coins in Astronomy	Ralph Denlinger
		Lunar Eclipse photos	Sidowski, Rautela
	MAR	Antique Telescopes	Bart Fried
	APR	CCD Update	Groski/Jackson
	MAY	SSTO Rockets	Tom Demott
		Binary Maker	Richard Herr
		Annular Eclipse photos	Chang/
	JUN	D: Hubble Space Telescope	David Quinn/NASA
	SEP	What we did last summer	Various
	OCT	M: Occultations	Al Webber
		M: Binocular M-objects	Lynn King
		M: Variable stars	Henry Bouchelle
	NOV	Solid Nitrogen&Neptune Mooos	Bob Mentzer
	DEC	Christmas Stars at McCullough Planetarium	Henry Bouchelle
		Party & swap table	All
1995	JAN	Alternate Cosmology	Bill Westergard
	FEB	CCD Update	Dave Groski
	MAR	Building a Large Telescope	Scott Jackson
	APR	Stonehenge	Henry Bouchelle
	MAY	D: Telescope Resolution	Valery Terebizh
		D: Ukraine Astronomy	Sergei Guizy
	JUN	Binoculars in Astronomy	Lynn King
	SEP	Astronomical potpourri	Various
	OCT	Tri-color Imaging	Richard Carter
	NOV	Slide & swap night	All
	DEC	CANCELLED - SNOW	
1996	JAN	Observing with a CCD	Homi Bhedwar
	FEB	Women in Astronomy	Harry Shipman
	MAR	Projects for Amateurs	Henry Bouchelle
	APR	Comet Hyakutake	Many
		M:David Dixon's Astronomy	Tom Demott
	MAY	D: Spitz Planetarium	Charles Holmes
	JUN	F: F&M Planetarium/Obsv.	
	SEP	Summer Hilites/Lunar Eclipse	Various
	OCT	Stellar Winds - LBVs	Dr. Stan Owocki, UDEL
	NOV	40TH ANNIVERSARY MEETING - MCCULOUGH PLANETARIUM D: 25 years - 1981-2006	Dr. Harry Shipman
	DEC	Christmas party at MCAO The \$200 Hole	Roger Taylor
1997	JAN	Astronomy & World Wide Web	Emil Volcheck/

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	DEC	Christmas party at MCAO The \$200 Hole	Roger Taylor
1997	JAN	Astronomy & World Wide Web Remote Robotic Telescopes	Emil Volcheck/ Homi Bhedwar
	FEB	Comet Hale-Bopp	Various
	MAR	Cosmology Update More Comet Hale-Bopp	Emil Volcheck Various
	APR	Comet Hale-Bopp CCD Images	Various Homi Bhedwar
	MAY	D:A Personal History	Nancy Grace Roman
	JUN	Silvering A Mirror	Dave Groski
	SEP	Summer Activities	Various
	OCT	Copernicus to Hubble	Bob Mentzer
	NOV	Your Christmas Telescope	Don Surles
	DEC	The Goldilocks Effect Annual Christmas Party	Sheila Vincent Everyone
1998	JAN	Amateur Radio Moon Bounce	Rick Phillips
	FEB	Beauty in CHAOS M:MCAO Astro BBS demo	Dan Chester Emil Volcheck
	MAR	February's Total Eclipse	Various
	APR	It's Relativity Simple...	Warren Jacobs
	MAY	D:Astronomy in Daylight	Olaf Kirchner
	JUN	Mauna Kea Observatory	Rich Lemay
	SEP	Summer Activities	Various
!	OCT	Your Christmas Telescope	Scott Jackson
	NOV	Astrophotography	Pete LaFrance
	DEC	Star of Bethlehem video Annual Christmas Party	Jack Horkheimer Everyone
1999	JAN	Light and Stars	Hank Bouchelle
	FEB	White Dwarfs	Judi Provencal
	MAR	Selecting, Using Binoculars	Dave Groski
	APR	Spectrometry at MCAO	Jack Fisher
	MAY	D:Black Holes Update Luther J. Porter Award Astronomer of the Year	Harry Shipman
	JUN	The Longitude Problem	Bob Mentzer
	SEP	What Did You Do This Summer?	Various
	OCT	Beginner's Guide to Meteors	Bill Sharp
	NOV	Astro Computer Programs	Shedrick, Hanagan Case, Volcheck
	DEC	Christmas Party	!Bouchelle, Jacobs
2000	JAN	Find Heaven	Bouchelle, Sidowski Westergard
	FEB	Astronomy in Daylight	Olaf Kirchner
	MAR	Blue Sky, Oceans, Neptune	Bob Mentzer
	APR	Cosmology's Embarrassment	Billie Westergard

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2000	JAN	Find Heaven	Bouchelle, Sidowski Westergard
	FEB	Astronomy in Daylight	Olaf Kirchner
	MAR	Blue Sky, Oceans, Neptune	Bob Mentzer
	APR	Cosmology's Embarassment	Billie Westergard
	MAY	D: Art & Science of Early Star Atlases	Ray Harris
		AOY & Luther Porter Awards	Warren Jacobs
	JUN	Pulsating Stars	Gerald Harrsler, U of Vienna
	SEP	What we did last summer?	Various
	OCT	Choosing a Telescope	Emil Volcheck
	NOV	Variable Stars	Judi Provencal
	DEC	Party + Cosmic Voyage tape	ALL
2001	JAN	The Moon	Sarah Baird
	FEB	Star Lore	Sally O'Byrne
	MAR	Evening at McCullough	Henry Bouchelle
	APR	Creation of the Universe	Billie Westergard
	MAY	D:Mason & Dixon	Bob Mentzer
	JUN	Picnic + Star Party	Tom Sidowski
	SEP	"Last Summer"	Shedrick, Hanagan, Groski
	OCT	Using Computers in Astronomy	Scott Jackson
	NOV	The Mason Dixon Line	Bob Mentzer
	DEC	Christmas party + video	All
2002	JAN	What are they building?	Morgan, Groski, etc.
	FEB	Junior member talks	
	MAR	Planet Earth	Rene van Caneghem
	APR	Testing Your Telescope	Bill Hanagan
	MAY	D:Hubble Space Telescope	Inge Heyer, NASA
	JUN	Member mini-talks	Various
	SEP	Annual Summer Show & Tell	Groski, Hanagan, King
	OCT	Choosing a Telescope	Emil Volcheck
	NOV	The Times of Galileo	Roger Taylor
	DEC	Party + Software demos	Shedrick, Hanagan, etc.
2003	JAN	Women in Astronomy	Sheila Vincent
	FEB	CCD Imaging - Part I	Judi Provencal
	MAR	David Rittenhouse & the Mechanical Solar System	Henry Bouchelle
	APR	Observe Double/Multiple Stars	James Mullaney
	MAY	D:Planet Formation	Prof Eric Jensen
	JUN	Astrophotography (DAS SIG)	Bill Hanagan et al
	SEP	Last Summer/Viewing Mars	Harry Shipman
	OCT	Testing Your Telescope/Observing	Bill Hanagan
	NOV	Pluto and Pluto Express	Greg Lee
	DEC	Party/Hubble & Mars videotapes	All
2004	JAN	CCD Imaging - II	Judi Provencal
	FEB	A Visit by Edmund Halley	Himself (Bob Mentzer)
	MAR	?	

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	DEC	Party/Hubble & Mars videotapes	All
2004	JAN	CCD Imaging - II	Judi Provencal
	FEB	A Visit by Edmund Halley	Himself (Bob Mentzer)
	MAR	?	
	APR	God's Time:An Investigation of Periodicity (at McCullough)	Henry Bouchelle
	MAY	Transit of Venus - scale model	Mentzer, Lee, Hanagan
	JUN	Ancient Astronomy	Bob Karcha
	SEP	Show & Tell/Skies Unlimited - Larson?	
	OCT	Testing Your Telescope - Pt 1	Bill Hanagan
	NOV	Testing Your Telescope - Pt 2	Bill Hanagan
	DEC	Christmas Party & SciDome demo	Scott Jackson
2005	JAN	Eta Carinae, the Magnificent	Stan Owocki, Bartol Inst
	FEB	Observing at Cerro Tololo	Judi Provencal, MCAO SA
	MAR	The Delmarva Stargazers	Don Surles, DSG
	APR	Beauty of Auroras	Sarah Baird
	MAY	D&Awards/Best of Hubble	Dr. John Wood, NASA
	JUN	Space Probe Spectrographs	Jerry Truitt, DSG
	SEP	Annual Show & Tell	Many
	OCT	White Dwarfs	Harry Shipman
	NOV	Structure Formation Early Universe	Billie Westergard
	DEC	Christmas Party/Caroline Herschel	All/Lynn King
2006	JAN	Messier Objects & Marathon	Don Surles
	FEB	Beyond Relativity	Henry Lindner
	MAR	Green Bank Radio Astronomy	Randy Detra
	APR	Galileo's Satellites	Hank Bouchelle @ McCullough
	MAY	D: Mars Explorer Program	Bob Naeye (S&T)
	JUN	The No-Spin Space Shuttle	Mike Borgia
	SEP	Annual Show & Tell	Many
	OCT	IOTA Meeting/Modelling Tides	Greg Lee/Hank Bouchelle
	NOV	Sundials/What's Up (monthly)	Bob Mentzer/Greg Lee
	DEC	Deck the Halls Xmas Party	ALL
2007	JAN	MCAO Research Projects	Judi Provencal
	FEB	Mini-Talk Night (Cancelled)	Hank Bouchelle etc.
	MAR	Messier Marathon (McCullough)	Greg Lee
	APR	50th Anniversary Celebration	ex-Prez and others
	MAY	50th Ann. & AOTY/Porter Awards	Sheri Klug, ASU/NASA
	JUN	Equipment Show & Tell	Marc Hutton et al
	SEP	Annual "My Summer Vacation"	Many
	OCT	Last 50 Years of Astronomy	Harry Shipman
	NOV		
	DEC		