


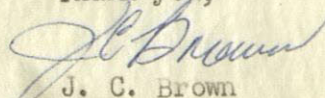
As the Visibility Laboratory has grown, the need for an efficient central file system for negatives and slides has arisen. We need all your slides, accompanied by good, meaningful titles and project names assigned to each one. This complete, central system will allow more inter-project reference and will take far less time in locating desired subject matter. Your cooperation will help everyone in the Laboratory.

Thank you,

  
J. C. Brown  
Photo Lab

As the Visibility Laboratory has grown, the need for an efficient central file system for negatives and slides has arisen. We need all your slides, accompanied by good, meaningful titles and project names assigned to each one. This complete, central system will allow more inter-project reference and will take far less time in locating desired subject matter. Your cooperation will help everyone in the Laboratory.

Thank you,

  
J. C. Brown  
Photo Lab



NEGATIVES - SLIDES (CONFIDENTIAL FILE) 1964

✓55-00257	Information Observer 157½	B-36	1 Negative	
✓56-0008	Underwater T.V. Study	Dr. Ballard	3 Negative	3 Slides
✓56-0020	Slides for Dr. Duntley (Special April 2		5 Negatives	2 Slides
✓56-0021	Simulator Device (Retouched for Report (56-0002)		2 Negatives	2 Slides
56-0028	Hook Program Chart	Jim Harris	1 Negatives	
✓56-0029	Hook Program Chart	Jim Harris	1 Negative	
57-0002	Dr. Duntley Chart	Bull Pup Project	5 Negatives	
57-0015	Dr. Duntley Chart		2 Negatives	
✓57-0029	Jim Harris Hook Program Chart		4 Negatives	3 Slides
58-0038	Dr. Duntley Chart		1 Negative	
✓61-0051	Dr. Duntley Chart & Tank (Speech) Aircraft Carrier		6 Negatives	
✓61-0052	Mr. Jim Harris Film Strip (Aircraft		3 Negatives & Strip	
61-0068	Ships & Wakes (Washington D. C.		8 Negatives	
62-0018	Mr. Jim Harris Schematic Tube (Report 62-4)		1 Negative	
✓62-0020	Mr. Jim Harris Chart		15 Negatives	
✓62-0021	Mrs. Jackie Gordon Chart		25 Negatives	
62-0025	Mr. Jim Harris (Report 4) Fig I		1 Negative	
63-0005	Dr. Duntley Charts (Also in C File			9 Slides
63-0019	Jim Harris Special Equipment (Confidential			1 Slide
63-0031	Jim Harris (35mm) 61-0068 63-0031(2) 61-0013(1) 61-0013(28) 61-0013(a) 61-0013(4) 60-0036(4) 63-0005(2) 63-0005(1) 62-0027 63-0019 61-0036 61-0068 55-00324 63-0046 Slides on Talk in 503 Prints for Reference were made also Slide Material for Jim Harris Washington Sept 9 1963		8 Slides	
64-0004	Mr. Jim Harris Chart Sea State 1 Negative in Regular file also 1 Small and a large Negative in the CONFIDENTIAL FILE			



NEGATIVES & SLIDES      CONFIDENTIAL FILE

2/6/63	63-0005	Dr. Duntley Charts (also in CONFIDENTIAL FILE)
3/18/63	63-0019	Jim Harris Special Equipment (CONFIDENTIAL 1 Slide
8/27/64	63-0031	JIM HARRIS (CONFIDENTIAL) 35mm 61-0068 63-0031(2)
		61-0013(1) 61-0013(28) 61-0013(9) 61-0013(a) 61-0013(4)
		60-0036(4) 63-0005(2) 63-0005(1) 62-0027 63-0019 61-0036
		61-0068 55-00324(4) 63-0031 63-0046 8 Slides
		Slides on Talk in 503 Prints for Reference were made also
		Slide material for Mr. Jim Harris Washington Sept 9-63
2/14/64	64-0004	Mr. Jim Harris Chart State
		1 Negative in Regular Negative file also 1 Small
		and large Negative in the CONFIDENTIAL FILE 2 Slides

64 63



NEGATIVES - SLIDES CONFIDENTIAL FILE 1963

55-00257	B-36	Information Observer 157½	1 Negative	
56-0008	Underwater T.V. Study	Dr. Ballard	3 Negative	3 Slides
56-0020	Slides for Dr. Duntley Speech April second		5 Negatives	3 Slides
56-0021	Simulator Device (Retouched for Report)		2 Negatives	2 Slides
	(56-0002)			
56-0028	Hook Program	Chart Jim Harris	1 Negative	
56-0029	Hook Program	Chart Jim Harris	1 Negative	
57-0002	Dr. Duntley	Chart Bull Pup Project	5 Negatives	
57-0015	Dr. Duntley	Chart	2 Negatives	
57-0029	Jim Harris	Hook Program Chart	4 Negatives	3 Slides
58-0038	Dr. Duntley	Chart	1 Negative	
61-0051	Dr. Duntley	Chart & Tank (Speech)	6 Negatives	
	Aircraft	Carrier		
61-0052	Mr. Jim Harris	Film Strip (Aircraft	3 Negatives	Strip
61-0068	Ships & Wakes	(Washington D.C. )	5 Negatives	
62-0018	Mr. Jim Harris	Schematic Tube (Report 62-4)	1 Negative	
62-0020	Mr. Jim Harris	Chart	15 Negatives	
62-0021	Mrs. Jackie Gordon	Chart	25 Negatives	
62-0025	Mr. Jim Harris	(Report 62-4) Fig I	1 Negative	
63-0031	Mr. Jim Harris	(Washington D.C.)	18 Negatives	

JULY 22 1963

J.C. BROWN

WAKE NEGATIVES CONFIDENTIAL FILE

USS PARSON DD 949  
 USS MAHAN DLG II  
 USS ORISKANY CVA -34  
 USS LEXINGTON CVA-16  
 USS NICHOLAS DDE 449  
 USS MANTEE AC-58  
 USS HULL DD 945  
 USS RANGER CVa 61  
 USS GALVANSTON  
 USS MIDWAY



NEGATIVES - SLIDES CONFIDENTIAL (JIM HARRIS)

55-00257	B-36	Information Observer	157 $\frac{1}{2}$	1 Negative	
56-0008	Underwater T.V. Study	Dr. Ballard		3 Negatives	3 Slides
56-0020	Slides for Dr. Duntley Speech	April Second		5 Negatives	2 Slides
56-0021	Simulator Device (Retouched for Report)			2 Negatives	2 Slides
	(56-0002)				
56-0028	Hook Program	Chart	Jim Harris	1 Negative	
56-0029	Hook Program	Chart	Jim Harris	1 Negative	
57-0002	Dr. Duntley	Chart	Bull Pup Project	5 Negatives	
57-0015	Dr. Duntley	Chart		2 Negatives	
57-0029	Jim Harris	Hook Program	Charts	4 Negatives	3 Slides
58-0038	Dr. Duntley	Chart		1 Negative	
61-0051	Dr. Duntley	Chart & Tank (Speech)		6 Negatives	
		Aircraft Carrier			
61-0052	Mr. Jim Harris	Film Strip	Aircraft	3 Negatives	on Strip
62-0018	Mr. Jim Harris	Schematic Tube	(Report 62-4)		
62-0020	Mr. Jim Harris	Chart			
62-0021	Mrs. Jackie Gordon	Chart			
62-0025	Mr. Jim Harris	(Report 62-4)	One Negative of Fig 1		

J.C. BROWN

E.A.T.

JULY 18 1962

LYNN WHITE CHECK THIS LIST OF CONFIDENTIAL SLIDES  
ON JUNE 19/63



THESE SLIDES ARE ALSO IN JIM HARRIS CONFIDENTIAL FILE

DR. TAYLOR RETURNED THESE SLIDES TO THE PHOTO LAB FEB 1960

55-0320 Underwater Tests Objects Model  
 55-0361(4-5) T.V. Trip Shots 6/25/55  
 55-0400 Beta Meter Studio Shots Hydrophotometer  
 55-0407 Line Drawing of Harbor for T.V. Program  
 56-0002 Underwater T.V. Set Up Dr. Ballard (1-2)  
 56-0003 Line Drawing Underwater T.V. Set Up Dr. Ballard  
 56-0004 Up & Down T. V. Dr. Ballard  
 56-0022 Underwater Camera Case for Underwater T.V. Program  
 56-0025(1-2) Chart (Conference) Mr. Tyler 2 slides  
 (1 Slide No Number) Frame 1)

THESE SLIDES ARE IN JIM HARRIS CONFIDENTIAL FILE 1961

55-0357	B-36 Information Observer 157½	1 Negative
56-0008	Underwater T.V. Study Dr. Ballard	3 Negatives 1 Slide
56-0020	Slides for Dr. Duntley Speech April Second	5 Negatives 5 Slides
56-0021	Simulator Device (Retouched for Report) 56-0002	2 Negatives 1 Slide
56-0028	Chart (Hook) Program Mr. Jim Harris	1 Negative 1 Slide
56-0029	Chart (Hook) Program Mr. Jim Harris	1 Negative 1 Slide
57-0002	Chart Dr. Duntley Bull Pup Project	5 Negatives
57-0015	Charts Dr. Duntley	2 Negatives
57-0029	Charts Mr. Jim Harris Hook Program	4 Negatives
58-0038	Charts Dr. Duntley	1 Negative

PHOTO LAB

J.C. BROWN 1961



JULY 1 1959

THESE SLIDES & NEGATIVES ARE IN JIM HARRIS CONFIDENTIAL FILE

55-0257 B-36 Information Observer 157 $\frac{1}{2}$ <sup>0</sup>  
55-0320 Underwater Test Objects Model R  
55-0361(4-5) Underwater T.V. Program Shots 6/25/55 R  
55-0400 Beta Meter-Studio Shots Hydrophotometer R  
55-0407 Line Drawing of Harbor Buoy for T.V. Program R  
  
56-0002(1-2) Underwater T.V. Set Up T.V. Dr. Ballard R  
56-0003 Line Drawing Underwater T.V. Set Up Dr. Ballard R  
56-0004 Up & Down T.V. Dr. Ballard R  
56-0008 Underwater T.V. Study Dr. Ballard (1,2,3)  
56-0020 Slides Dr. Duntley April Second Speech  
56-0021 Simulator (Retouched for report Neg., 56-0002)  
56-0022 Underwater Camera Case for Underwater T.V. Program R  
56-0025(1-2) Charts (Conference) Mr. Tyler 2 slides R  
56-0028 Charts (Hook Program) Jim Harris  
56-0029 Charts (Hook Program) Jim Harris  
  
57-0002 Charts Dr. Duntley Bull Pup Project  
57-0015 Charts Dr. Duntley (2 Neg., in Confidential File  
57-0029 Charts Jim Harris (Hook Program)  
  
58-0038 Dr. Duntley (Charts)  
(1 Slide with No Number)(Frame 1) R

THESE SLIDES ARE IN JIM HARRIS CONFIDENTIAL FILE FEB 1960 PHOTO LAB

55-0257 B-36 Information 157 $\frac{1}{2}$   
56-0008 Underwater T.V. Study Dr. Ballard (1,2,3)  
56-0020 Slides for Dr. Duntley April Second Speech  
56-0021 Simulator Devices ( Retouched for Report) (56-0002)  
56-0028 Chart Hook Program Jim Harris  
56-0029 Chart Hook Program Jim Harris  
  
57-0002 Charts Dr. Duntley Bull Pup Project  
57-0015 Charts Dr. Duntley (2 Negatives of this group in Confidential File  
57-0029 Charts Hook Program Jim Harris  
  
58-0038 Chart Dr. Duntley



# NEGATIVES NOT IN THE GENERAL NEGATIVE FILE

NEGATIVE NO.	63-0003	Dr. Dr. Duntley (Large Negative)(For Report)(C-130)
	63-0005	Dr. Duntley Charts
	63-0007	Dr. Taylor Charts (Large Negatives)
	63-0010	Mr. Jim Harris ARPA (1 Slide)(also a Large Negative)
	63-0011	Mr. Jim Harris Chart (Large Negative)
	63-0012	Mr. Jim Harris Negatives made for Article (Large Neg.,)
	63-0015	Mr. Al Boileau (P.M. Supply) (C-130) (Large Negative)
	63-0017	Dr. Duntley & Dr. Taylor (Vision) (Large Negative)
	63-0019	Mr. Jim Harris (Special Equipment)
	63-0020	Mr. Al Boileau Aerial Photo S.D. (Large Negative)
	63-0021	Probe Balance Meter (C-130) (Large Negative)
	63-0022	Mr. Tyler (Deries of Negatives) (Special No 20)
	63-0023	Mr. Al Boileau Photometer Temperature (C-130)(Large Neg.,)
	63-0025	Mr. Al Boileau Electronic Equipment for (C-130)
	63-0026	Mr. Tyler Special (No Negative No 21)
	63-0027	Dr. Taylor Targets (Large Negative)
	63-0030	Mr. John Tyler (Special 22) Equipment)
	63-0031	Mr. Jim Harris 35mm and Regular Negatives
	63-0039	Dr. Duntley (57-36) (A Missile)(also a negative of Trailer)
	63-0040	Title on Slide (Large Negative)
	63-0041	Title Block on Engineer Drawing (Large Negative)
	63-0042	Mr. Al Boileau (C-130) (Photometer Power Supply)
	63-0043	Dr. Duntley Shimmer Meter Chassis (Large Negative)
	63-0044	Richard Ensminger Drawing of Discovery of Satellite (No Neg.
	63-0047	A Quadratic Waveform Ben Mc Glamery (Large Neg.,
	63-0048	Mr. Jim Harris Charts to be used on Article (Large Neg.,)
	63-0049	Pahrump Field Test (1st on Aug 15 1963)
		(4 X 5) Negatives also 35mm Negatives)
	63-0052	Dr. John Taylor Chart No Negative
	63-0068	Mr. John Tyler 2 Negs., I Line Drawing and I Half Tone
		(SPACELIGHT SPECTROMETER) No 23)
	64-0004	<del>Mr. Jim Harris See Chart - also a Large Negative</del>
	64-0005	Mr. John Tyler Charts (Large Negative No 24
		Pacific Coastal Water
	64-0063	Goemetry of the System
		Laser of the Applied to ASW



# NEGATIVES NOT IN THE GENERAL NEGATIVE FILE

NEGATIVE NO.	61-0007	Mr. Robert Howarth (Targets Grey Scales)
	61-0010	Mr. John Tyler No Negative
	61-0027	Dr. Taylor 2 Slides Conference 2/24/26/61
	61-0028	Mrs. Jackie Gordon Conference 2/24/26/61
	61-0030	Mr. Al Boileau Negatives put in with 61-0031
	61-0034	Dr. Duntley Telescanner No Negative
	61-0045	Dr. Duntley Underwater Patterns (35mm Neg.,) (Dr. Duntley- Washington) Also Charts, Navy Neg.,)
	61-0047	Dr. Duntley Special Equipment
NEGATIVE NO.	<del>61-0051</del>	<del>Mr. Jim Harris Special Equipment</del>
	61-0052	<del>Mr. Jim Harris Special Equipment</del>
	61-0054	Mr. Dave Hooton (Special)
	61-0064	Mr. Richard Ensminger Shimmer Pictures
	61-0066	Mr. Tyler Charts (Special No I)
NEGATIVE NO.	62-0001	Mr. Tyler (German Article) (Special 2-3)
	62-0004	Mrs. Jackie Gordon 38 Strips
	62-0005	Mr. Jim Harris Radi Intergration Noise
	62-0006	Mr. Al Boileau Colored Negative 180 Degrees
	62-0007	Mr. Tyler Charts (Special 4-5-6-7)
	62-0010	Mr. Tyler Charts (Special 8-9-10-11-12-13)
	62-0011	Mr. Tyler (Special 14)
	62-0013	Dr. John Taylor B.T.C. Targets
	62-0015	Nikon Lens Kit
	62-0018	Mr. Jim Harris Schematic of Tube
	62-0019	Mr. Jim Harris & Richard Ensminger 6 Slides 35mm
	62-0020	<del>Mr. Jim Harris Chart</del>
	62-0021	<del>Mr. Jim Harris Chart</del>
	62-0025	<del>Mr. Jim Harris Chart</del>
	62-0032	Mr. Tyler (Special 15)
	62-0034	Mrs. Jackie Gordon N.O.T.S. Project
	62-0036	Mr. Tyler (Special 16)
	62-0039	Dr. Taylor (Tank) No Negatives
	62-0042	Mr. Tyler (Special 17)
	62-0046	Mrs. Jackie Gordon (35mm Strips, 70mm in Regular File)
	62-0047	Dr. Duntley Diamond Island Underwater (35mm)
	62-0048	Mr. Jim Harris 10 Step Grey Scale (Radi) (No Neg.,)
	62-0049	Square Filter Square Wedge
	62-0050	Mr. Tyler (Special 18)
	62-0053	Mr. Jim Harris Washington Conference 503 Target
	62-0055	Mr. John Tyler Special (Japan) (Special 19)
	62-0056	Mr. Richard Ensminger (Large Negatives)
	62-0058	Dr. Taylor Chart for Report
	62-0059	Mr. Jim Harris (S)
	62-0060	Dr. Taylor Chart for Report
	62-0061	Mr. Jim Harris Washington Large Neg., Small Negative in Regular



# NEGATIVES NOT IN THE GENERAL NEGATIVE FILE

NEGATIVE NO.	58-0028	Dr. Taylor Speech (35mm)
	58-0036	Dr. Duntley Sea State Simulator <i>no neg</i>
	58-0045	Mr. Rassman Negatives Returned Sept 18 1958 Prints were also made for Mr. Tyler and Dr. Duntley Negatives given to Mr. Tyler Sept 18 1958 Returned to the Photo Lab.,
	58-0047	No Negative
NEGATIVE NO.	59-0005	No Negative
	59-0010	Mr. Austin Water Clariety Meter No Negative
	59-0012	Mrs. Jackie Gordon 35mm Film in Steel master Film
	59-0014	Dr. Duntley & Dr. Taylor The Searchlight Project 35mm filed in the Steelmaster File
	59-0015	Mrs. Jackie Gordon Nomographs No Negatives
	59-0017	This Negative was put in with 59-0013
	59-0019	Mr. Martz 3 Slides Mr. Martz has these Negatives
	59-0020	Mrs. Jackie Gordon Silhouette Planes No Negatives
	59-0021	Dr. Duntley Optical Meeting (35mm)
	59-0028	Mrs. Jackie Gordon No Negatives
	59-0029	Mr. Ed. Martz Negatives belong to Mr. Martz
	59-0036	Mr. Austin These Negatives were put in with 59-0034
	59-0039	Mr. Jim Harris Charts No Negatives
	59-0041	Mr. Jim Harris Charts
	59-0042	Mr. Ed. Martz has this Negative
NEGATIVE NO.	60-0002	Mr. Al Boileau Charts Optic Efficiency
	60-0004	The Simulator (Sphere)
	60-0006	Mr. J.J. Rennilson Special Analysis of Plus X No Neg.,
	60-0007	Dr. Taylor Aparture No Negatives
	60-0008	Mr. Austin Tests of Exposure in the Sphere (No neg.,)
	60-0010	Mr. Austin Artic Simulator Tests
	60-0012	Mr. Tyler Charts No Negatives
	60-0019	Mr. Al Boileau Exposure Test of Refractometer
	60-0025	Mr. J.J. Rennilson No Negatives
	60-0033	Mr. John Hood a Painted model Ship
	60-0037	Mr. Al Boileau Charts
	60-0039	Mr. Richard Ensminger The T.V. Marker
	60-0044	Dr. Taylor Fifo Project Ex I
	60-0045	Mr. Al Boileau 180 Degree Camera (Glass Neg.,)
	60-0054	Dr. Duntley Diamond Island No Neg.,
	60-0055	Mr. Tyler Charts Case 5651
	60-0060	Mr. Al Boileau E Meter Cap



# NEGATIVES NOT IN THE GENERAL NEGATIVE FILE

NEGATIVE NO.	55-00001	Sea State Meter	Metal File Cabinet
	55-00002	Sea State Meter	Metal File Cabinet
	55-00003	Sea State Meter	Metal File Cabinet
	55-00004	Sea State Meter	Metal File Cabinet
	55-00027	M.R. Photo	Metal File Cabinet
	55-00028	M.R. Photo	Metal File Cabinet
	55-00029	M.R. Photo	Metal File Cabinet
	55-00030	M.R. Photo	Metal File Cabinet
	55-00067	Glass Bottom Boat	Metal File Cabinet
	55-00090	Chart	No Negative
	55-00091	Chart	No Negative
	55-00092	Chart	No Negative
	55-00130	Chart	No Negative
	55-00257	<del>REDACTED</del>	<del>REDACTED</del>
	55-00272	<del>REDACTED</del>	<del>REDACTED</del>
	55-00315	Sphere Program	No Negative
	55-00379	Negative in 403	
	55-00380	Underwater T.V.	No Negative
	55-00382	Underwater Photometer	No Negative
	55-00383	Misc., Special	No Negative
	55-00386	Charts	Metal File Large Neg.
	55-00388	Trailer	No Negative
	55-00394	Calibration	Metal File Large Neg.
	55-00408	Sphere	No Negative
	55-00418	Gammeter	Metal File
	55-00419	Scripps Labels	Metal File
NEGATIVE NO.	56-0001	Misc., Frank Howard	No Negative
	56-0008	<del>REDACTED</del>	<del>REDACTED</del>
	56-0020	Dr. Duntley	<del>REDACTED</del>
	56-0021	Underwater T.V.	In General File
	56-0031	Beta Meter	No Negative
	56-0055	Gonio	Dr. Taylor's File
NEGATIVE NO.	57-0002	Dr. Duntley	In Dr. D. File
	57-0015	Dr. Duntley	In Regular File
	57-0021	Charts	No Negatives
	57-0029	Mr. Jim Harris	<del>REDACTED</del>
	57-0034	Dr. Talling	No Negative
	57-0036	Dr. Duntley	The Florida Dr. Duntley (Al Allison)
NEGATIVE	58-0010	Taylor	1 Negative
	58-0015		No Negative
	58-0016	Mr. J.J. Rennilson	No Negative
	58-0013	Dr. Ballard	Gave Dr. Ballard Negative August 5 1958



# NEGATIVES NOT IN THE GENERAL NEGATIVE FILE

NEGATIVE NO.	63-0003	Dr. Duntley (Large Negative)(for Report)(C-130)
	63-0005	Dr. Duntley Charts
	63-0007	Dr. Taylor Charts (Large Negatives)
	63-0010	Mr. Jim Harris ARPA 1 Slide (Also a Large Negative)
	63-0011	Mr. Jim Harris Chart (Large Negative)
	63-0012	Mr. Jim Harris Negatives made for Article (Large Negative)
	63-0015	Mr. Al Boileau (P.M. Supply) (C-130) (Large Negative)
	63-0017	Dr. Duntley & Dr. Taylor (Vision) (Large Negative)
	63-0019	Mr. Jim Harris (Special Equipment)
	63-0020	Mr. Al Boileau Aerial Photo S.D. (Large Negative)
	63-0021	Probe Balance Meter ( c-130) (Large Negative)
	63-0022	Mr. Tyler (Series of Negatives) (Special No 20)
	63-0023	Mr. Al Boileau Photometer Temperature (C-130) (large Neg.,
	63-0025	Mr. Al Boileau Electronic Equipment for (C-130)
	63-0026	Mr. Tyler Special (No Negative No 21)
	63-0027	Dr. Taylor Targets (Large Negative)
	63-0030	Mr. John Tyler (SPECIAL 22) Equipment
	63-0031	Mr. Jim Harris 35mm and regular Negatives
	63-0039	Dr. Duntley (57-0036 A Missile)(also a Negative of Trailer
	63-0040	Title on Slide (Large Negative)
	63-0041	Title Block on Engineer Drawing (Large Negative)
	63-0042	Mr. Al Boileau (C-130) (Photometer Power Supply
	63-0043	Dr. Duntley Shimmer Meter Chassis (Large Negative
	63-0044	Richard Ensminger Drawing of Discovery of Satellite(N.N.)
	63-0047	A Quadratic Waveform Ben Mc Glamery (Large Negative)
	63-0048	Mr. Jim Harris Charts to be used on Article(Large Neg.,)
	63-0049	Pahrump Field Test (1st on Aug. 15 1963)
		(4 X 5 Negatives also 35mm Negatives)
	63-0052	Mr. John Taylor Chart No Negative
	63-0068	Mr. Tyler 2 Neg., I Line Drawing and I Half Tone
		(Spacelight Spectrometer (23)
NEGATIVE NO.	64-0004	Mr. Jim Harris Sea Chart one small Negative also a
		Large Negative small negative in the CONFIDENTIAL
	64-0063	Geometry of System
		Laser of the Applied to ASW



# NEGATIVES NOT IN THE GENERAL NEGATIVE FILE

NEGATIVE NO.	61-0007	Mr. Robert Howarth (Targets Grey Scales)
	61-0010	Mr. John Tyler No Negatives
	61-0027	Dr. Taylor 2 Slides Conference 2/24/26/61
	61-0028	Mrs. Jackie Gordon Conference 2/24/26/61
	61-0030	Mr. Al Boileau Negatives put in with 61-0031
	61-0034	Dr. Duntley Telescanner
	61-0045	Dr. Duntley Underwater Patterns (35mm) Dr. Duntley - Washington) also Charts and Navy Negatives)
	61-0047	Dr. Duntley Special Equipment
	61-0051	Dr. Duntley Speech Washington Neg., (CONF.,)
	61-0052	Mr. Jim Harris Carrier Film Strip 3 (CONFIDENTIAL)
	61-0054	Mr. Dave Hooton (Special)
	61-0064	Mr. Richard Ensminger Shimmer Pictures
	61-0066	Mr. Tyler Charts ( <u>Special No I</u> )
NEGATIVE NO.	62-0001	Mr. Tyler (German Article) ( <u>Special 2-3</u> )
	62-0004	Mrs. Jackie Gordon 38 Strips
	62-0005	Mr. Jim Harris Radi Intergration Noise
	62-0006	Mr. Al Boileau Colored Negative 180 Degrees
	62-0007	Mr. Tyler Charts ( <u>Special 4-5-6-7</u> )
	62-0010	Mr. Tyler Charts ( <u>Special 8-9-10-11-12-13</u> )
	62-0011	Mr. Tyler ( <u>Special 14</u> )
	62-0013	Dr. John Taylor B.T.C. Targets
	62-0015	Nikon Zoom Lens Kit
	62-0018	Mr. Jim Harris Schematic of Tube (1 Neg.)
	62-0019	Mr. Jim Harris & Richard Ensminger (6 Slides 35mm)
	62-0020	Mr. Jim Harris Chart ( <u>CONFIDENTIAL</u> )
	62-0021	Mrs. Jackie Gordon Chart ( <u>CONFIDENTIAL</u> )
	62-0025	Mr. Jim Harris Report 62-4) ( <u>CONFIDENTIAL</u> )
	62-0032	Mr. Tyler (Special 15)
	62-0034	Mrs. Jackie Gordon N.O.T.S. Project
	62-0036	Mr. Tyler (Special 16)
	62-0039	Dr. Taylor (Tank) No Negative
	62-0042	Mr. Tyler (Special 17)
	62-0047	Dr. Duntley Diamond Island Underwater (35mm)
	62-0048	Mr. Jim Harris (10 Step Grey Scale) (Radi)
	62-0049	Square Filter Square Wedge
	62-0050	Mr. Tyler (Special 18)
	62-0053	Mr. Jim Harris Washington
	62-0055	Mr. John Tyler Special (Japan) Special 19
	62-0056	Mr. Richard Ensminger (Large Negatives)
	62-0058	Dr. Taylor Chart for Report
	62-0059	Mr. Jim Harris
	62-0060	Dr. Taylor Chart for Report
	62-0061	Mr. Jim Harris (S.T.) Large Negatives



# NEGATIVES NOT IN THE GENERAL NEGATIVE FILE

NEGATIVE NO.	58-0028	Dr. Taylor Speech (35mm)
	58-0036	Dr. Duntley Sea State Simulator
	58-0045	Mr. Rassman Negatives Returned Sept 18 1958 Prints were also made for Mr. Tyler and Dr. Duntley Negatives given to Mr. Tyler Sept 18 1958 Returned to the Photo Lab.
	58-0047	No Negative
NEGATIVE NO.	59-0005	No Negative
	59-0010	Mr. Austin Water Clariety Meter No Negatives
	59-0012	Mrs. Jackie Gordon 35mm Film in Steel Master Film
	59-0014	Dr. Duntley & Dr. Taylor The Searchlight Project 35mm filed in the Steelmaster File
	59-0015	Mrs. Jackie Gordon Nomographs No Negatives
	59-0017	This Negative was put in with 59-0013
	59-0019	Mr. Martz 3 Slides Mr. Martz has these Negatives
	59-0020	Mrs. Jackie Gordon Silhouette Planes No Negatives
	59-0028	Mrs. Jackie Gordon No Negatives
	59-0029	Mr. Ed. Martz Negatives belong to Mr. Martz
	59-0021	Dr. Duntley Optical Meeting (35mm)
	59-0036	Mr. Austin these Negatives were put in with 59-0034
	59-0039	Mr. Jim Harris Charts No Negatives
	59-0041	Mr. Jim Harris Charts
	59-0042	Mr. Ed. Martz has this Negative
NEGATIVE NO.	60-0002	Mr. Al Boileau Charts Optic Optic Efficiency
	60-0004	The Simulator (Sphere)
	60-0006	Mr. J.J. Rennilson Special Analysis of Plus X No Negative
	60-0007	Dr. Taylor Aparture No Negatives
	60-0008	Mr. Austin Tests of Exposure in the Sphere No Negative
	60-0010	Mr. Austin Artic Simulator Tests
	60-0012	Mr. Tyler Charts No Negatives
	60-0019	Mr. Al Boileau Exposure Test of Refractometer
	60-0025	Mr. J.J. Rennilson No Negatives
	60-0033	Mr. John Hood a Painted model Ship
	60-0037	Mr. Al Boileau Charts
	60-0039	Mr. Richard Ensminger The T.V. Marker
	60-0044	Dr. Taylor Fifo Project Ex 1
	60-0045	Mr. Al Boileau 180 Degree Camera (Glass Neg.,)
	60-0054	Dr. Duntley D.I. No Neg.,
	60-0055	Mr. Tyler Charts Case 5651
	60-0060	Mr. Al Boileau E Meter Cap



# NEGATIVES NOT IN THE GENERAL NEGATIVE FILE CABINET

NEGATIVE NO.	55-00001	Sea State Meter	Metal File Cabinet
	55-00002	Sea State Meter	Metal File Cabinet
	55-00003	Sea State Meter	Metal File Cabinet
	55-00004	Sea State Meter	Metal File Cabinet
	55-00027	M.R. Photo	Metal File Cabinet
	55-00028	M.R. Photo	Metal File Cabinet
	55-00029	M.R. Photo	Metal File Cabinet
	55-00067	Glass Bottom Boat	Metal File Cabinet
	55-00090	Chart	No Negative
	55-00091	Chart	No Negative
	55-00092	Chart	No Negative
	55-00130	Chart	No Negative
	55-00257	Spectrogeograph	<u>CONFIDENTIAL FILE</u>
	55-00315	Sphere Program	No Negative
	55-00379	Negative in 403 File	
	55-00380	Underwater T.V.	No Negative
	55-00382	Underwater Photometer	No Negative
	55-00383	Misc., Special	No Negative
	55-00385	Charts	Metal File Large Neg.,
	55-00388	Trailer	No Negatives
	55-00394	Calibration	Metal File Large Neg.,
	55-00418	Gammeter	Metal File
	55-00419	Scripps	Metal File
NEGATIVE NO.	56-0001	Misc., Frank Howard's	No Negative
	56-0008	T.V. Program	<u>CONFIDENTIAL FILE</u>
	56-0020	Dr. Duntley	<u>CONFIDENTIAL FILE</u>
	56-0021	Underwater T.V.	<u>CONFIDENTIAL FILE</u>
	56-0028	Hook Program	No Negative
	56-0029	Hook Program	No Negative
	56-0031	Beta Meter	No Negative
	56-0055	Gonio	Dr. Taylor's File
NEGATIVE NO.	57-0002	Dr. Duntley	No Negative
	57-0021	Charts	No Negatives
	57-0029	Jim Harris	<u>CONFIDENTIAL FILE</u>
	57-0034	Dr. Talling	No Negative
	57-0036	Dr. Duntley	The Florida Trip Dr.D.
NEGATIVE NO.	58-0010	Dr. Taylor	1 Negative Missing
	58-0016	J.J. Rennilson	No Negatives
	58-0015		No Negative
	58-0031		No Negative
	58-0038	Dr. Duntley	General Negative File
	58-0013	Dr. Ballard	Gave Dr. Ballard Negative
			August 5 1958



NEGATIVE FILE



NEGATIVE FILE



- 1 S-65-32864 Cape Kennedy
- 2 S-65-32867 N. Fla. Looking west along gulf case
- 3 S-65-32884 Texas, Rio Grande and Pecos River Valley, Chihuahua
- 4 S-65-32903 Wilcox dry lake, Arizona
- 5 S-65-32909 N. Baja California Colorado River Valley and mouth
- 6 S-65-34630 Eastern Pacific Ocean
- 7 S-65-34631 Eastern Pacific Ocean
- 8 S-65-34632 Mexico, Sonora, Chihuahua, looking N. W.
- 9 S-65-34633 Mexico, Sonora, Chihuahua, looking N. W.
- 10 S-65-34643 Northern Sonora, Southern Arizona
- 11 S-65-34644 Clouds, several layers
- 12 S-65-34645 Clouds
- 13 S-65-34649 Typhoon "Carla" S. E. of Japan
- 14 S-65-34650 Typhoon "Carla" S. E. of Japan
- 15 S-65-34651 Pacific Ocean East of Wake Island
- 16 S-65-34652 Pacific Ocean East of Wake Island
- 17 S-65-34653 Pacific Ocean East of Wake Island
- 18 S-65-34655 Pacific Ocean Southeast Canton Island
- 19 S-65-34656 Aden Colony, Gulf of Aden, Yemen, Aden Protectorate, Somalia in bkgnd.
- 20 S-65-34657 Aden Protectorate, Gulf of Aden, looking So. to Somalia
- 21 S-65-34658 Aden Protectorate, Gulf of Aden, Ras Asir, Somalia in background.
- 22 S-65-34659 Aden Protectorate, Gulf of Aden, Ras Asir, Somalia in background
- 23 S-65-34661 Sultanate of Muscat and Oman, Ras Al Hadd
- 24 S-65-34664 Egypt, Red Sea, Foul Bay, Eastern Desert
- 25 S-65-34666 Persian Gulf, Iran Coast in foreground, Qatar Penninsula in bkgnd.
- 26 S-65-34667 Central Saudi Arabia looking Southeast to Bahrain Island and
- 27 Qatar Penninsula and Persian Gulf.
- 28 S-65-34669 Atlantic Ocean between So. America and Africa
- 29 S-65-34670 Richat Crater, Mauritania, W. Africa



- 30 S-65-34674 Sonora Desert, Mouth of Colorado River
- 31 S-65-34675\* Cerro Pinacate volcanic Range, Sonora, Pipe Organ Nat. Mon. Arizona
- 32 S-65-34676 Cerro Pinacate volcanic range, Sonora, Pipe Organ Nat. Mon. Arizona
- 33 S-65-34677 Sonora Mexico and Arizona
- 34 S-65-34678 Kitt Peak Observatory, Arizona and vicinity
- 35 S-65-34679 Kitt Peak, Tuscon, Arizona area
- 36 S-65-34680 Tuscon, Nogales, Arizona area
- 37 S-65-34681 Tombstone, Bisbee, Arizona area
- 38 S-65-34684 Chiracahua Mts. area, Arizona, New Mexico, U.S.A.; Sonora-Chihuahua
- 39 S-65-34685 Playas Lake area, New Mexico, Chihuahua
- 40 S-65-34686 S. West New Mexico, N. Chihuahua
- 41 S-65-34687 S. West New Mexico. N. Chihuahua
- 42 S-65-34688 S. West New Mexico, N. Chihuahua
- 43 S-65-34689 S. West New Mexico, N. Chihuahua
- 44 S-65-34690 S. New Mexico, Texas, Chihuahua
- 45 S-65-34691 S. New Mexico, El Paso, Texas, Chihuahua
- 46 S-65-34694 S. New Mexico, El Paso, Texas. Chihuahua
- 47 S-65-34695 Texas, Rio Grande and Pecos River Valley, Chihuahua
- 48 S-65-34696 Texas, Rio Grande and Pecos River Valley, Chihuahua
- 49 S-65-34697 Texas, Rio Grande and Pecos River Valley, Chihuahua
- 50 S-65-34698 Texas, Rio Grande and Pecos River Valley, Chihuahua
- 51 S-65-34699 Texas, Pecos River Valley
- 52 S-65-34700 Texas, Pecos River Valley
- 53 S-65-34701 West Texas gas fields
- 54 S-65-34702 Texas Midland - Odessa Texas
- 55 S-65-34703 Texas Midland - Odessa Texas
- 56 S-65-34704 Texas Midland - Odessa Texas
- 57 S-65-34705 Texas Midland - Odessa Texas
- 58 S-65-34706 Texas Big Spring Concho River Valley
- 59 S-65-34709 Texas, San Angelo, Abilene area



- 60 S-65-34710 West Florida, So. Alabama area
- 61 S-65-34713 West Florida, Gulf of Mexico
- 62 S-65-34714 N. E. Florida, JFK SFC (Cape lower left)
- 63 S-65-34721 N. Florida, Gulf coast
- 64 S-65-34722 So. tip of Florida, Bahamas, Cuba
- 65 S-65-34724 Bahamas, Cuba
- 66 S-65-34688\* Nile Delta, Birket Qurum Depression in 2 wr. rt.
- 67 S-65-34779 Nile River, Sudan, Nubian Desert
- 68 S-65-34780 Nile River, Upper Egypt, Sudan, Wadi Halfa area
- 69 S-65-34781 Nile River, Upper Egypt, Eastern Desert, Aswan Dam
- 70 S-65-34782 S. E. Egypt, Eastern Desert, Nile River
- 71 S-65-34783 S. E. Egypt, Red Sea
- 72 S-65-34784 S. E. Egypt, Red Sea, Ras Banas
- 73 S-65-34786 China, Hunan Province, Hsiang River, Hengyang City
- 74 S-65-34816 Cape
- 75 S-65-34864 Cape

These slides are in the possession of Dr. John Taylor. They are NASA slides, having NASA-assigned numbers. The Visibility Laboratory has no negatives for them.



# NEGATIVES 1966

66-0098 Tank Model Headed Parallel to the Azimuth of the sun.  
(1,2)

66-0099 RADI -- Pegasus Satellite.

66-0100 RADI -- Scan for Various Ranges of Mech. Mule vs  
Patton Tank.

66-0101 RADI --

66-0102 RADI --

66-0103 RADI --

66-0104 NASA -- Young, Space Suit.  
(1-5)

66-0105 503 V-Sail -- Submarine Visibility Block Diagram.

66-0106 NASA -- Lunar Surface Simulator.

66-0107 RADI -- Radi Scanner -- Schematic Drawing.

66-0108 RADI -- Block Diagram -- Steps Necessary for "Image  
Restoration".

66-0109 JHT -- Passport Picture.

66-0110 JHT -- Log Liminal Contrast vs Log Visual Angle.

66-0111 Gemini -- GT 5 and GT 7 Data.

66-0112 503 V-Sail -- Paint Reflectance on RU/D Scale.

66-0113 503 V-Sail -- Isoreflectance Charts Submarine Deck Paint.

66-0114 NSF -- Dr. Ray Smith, San Vincente and Crater used at USA Meeting.  
Lake Down and Upwelling in S. F. Oct., 1966. Irradiance.

66-0115 J. Harris -- Line Drawing of 36 Part Time Participants for USA  
Meeting for Oct., 1966.

66-0116 Cancelled.

66-0117 Dia. Island -- Dr Duntley, Circular Desk; Apparent Contrast vs Object  
Distance. Used in Report to SPIE Santa Barbara; Oct., 1966.

66-0118 NSF -- John Tyler, Down and Upwelling in Coastal Waters of Coronado,  
Don Juan Mexicana and San Diego.

66-0119 Vis Lab -- Vis Lab Photo Data Board.

66-0120 C-130 -- Atmospheric Research Branch Organization Charts --  
(1-3) Equip. Function.

66-0121 Facilities -- Telephone Directory, Dec., 1966.  
(1-9)



# NEGATIVES 1966

66-0073	C-130 -- Starboard Wingtip, Internal View, without Magazine	
66-0074	C-130 -- Starboard Wingtip, Internal View, with Magazine	
66-0075	C-130 -- Port Wingtip, Internal View, without Magazine	
66-0076	C-130 -- Port Wingtip, Internal View, without Magazine	
66-0077	C-130 -- Zenith-Nadir Pod, with Scan Head, Exposed View	
66-0078	C-130 -- Nadir Camera Ass'y, Outside View	
66-0079	C-130 -- Nadir Camera Location, Outside View of Ramp and Door	
66-0080	C-130 -- Horiz Path Function Meter, Mounted, Aft View	
66-0081	C-130 -- Horiz Path Function Meter, Mounted, Port View	
66-0082	C-130 -- Horiz Path Function Meter, Mounted, Starboard View	
66-0083	503 V-Sail -- Submarine Visibility Control Panel	
66-0084	NASA-A -- Target	
66-0085	NASA-G -- Picture Taken From GT -- used with Submarine Pictures (66-0014)	35mm color
66-0086	503 V-Sail -- Neg Number is 66-0014-11	35mm
66-0087	C-130 -- A. Spectrometer Probes with Covers Removed	
66-0088	C-130 -- A. Spectrometer Probes with Covers Removed	
66-0089	C-130 -- A. Spectrometer Probes with Covers in Place	
66-0090	C-130 -- A. Spectrometer System Left Front View	
66-0091	C-130 -- A. Spectrometer System Dome in Place	
66-0092	C-130 -- A. Spectrometer System Dome Removed	
66-0093	C-130 -- A. Spectrometer Centrifuge and Dome Seal	
66-0094	C-130 -- A. Spectrometer Refrigerator Shock Mount	
66-0095	Labels -- "CONFIDENTIAL"	
66-0096		
(1-8)	FAMOS -- Weather Maps	
66-0097	RADI -- Report; SIO #66-10, Ben McGlamery, Distorted and Restored "5"	Large Neg.



# NEGATIVES 1966

66-0036	Report, Ben McGlamery, Fig. 5	
66-0037	Fig. 5 -- memo	
66-0038	Fig. 4	
66-0039	Fig. 4 -- memo	
66-0040	Fig. 7	
66-0041	Fig. 8	
66-0042	Portrait -- Dr. Duntley	
66-0043	Portrait -- Mrs. Duntley	
66-0044	C-130 -- Illuminometer Group Ec(t), EC- hl, h2 16 June 66	
66-0045	C-130 -- Data Logger (Mire) with Jacking Dolly	
66-0046	C-130 -- Horiz Path Function Meter Assy (open)	
66-0047	C-130 -- Data Logger (Mire) with Jacking Dolly	
66-0048	C-130 -- Horiz Path Function Meter Photometer	
66-0048-1	C-130 -- Horiz Path Function Meter Photometer	
66-0049	C-130 -- Horiz Path Function Meter with Memory Lamp Adapter	
66-0050	C-130 -- Horiz Path Function Meter Photometer	
66-0051	C-130 -- Horiz Path Function Meter Assy (closed)	
66-0052	503 -- Sky and Ships	35mm
66-0053-1	Roof Top Camera: 22 Apr 64 -- 23 Apr 64	35mm
-2	24 Apr 64 -- 27 Apr 64	35mm
-3	27 Apr 64 -- 1 May 64	35mm
-4	7 May 64	35mm
-5	8 May 64	35mm
-6	11 May 64	35mm
-7	13 Jul 64 -- 16 Jul 64	35mm
-8	16 Jul 64 -- 22 Jul 64	35mm
-9	22 Jul 64	35mm
-10	22 Jul 64 -- 28 Jul 64	35mm
66-0054	NASA -- GT-5 Ground Target	35mm
66-0055	NASA -- In-Flight Vision Tester and Photometer	35mm
66-0056	Test Roll, R. Austin's 35mm Nikkor X	35mm
66-0057	Sky -- S. Q. Duntley, Test Run	35mm
66-0058	503 -- Flight Over Carrier and Cruiser	35mm
66-0059	54mm Micro Nikkor, Dist. 157.5cm PanX; Exposure Test with Gray Scale on Plus-X Pan	35mm
66-0060	NASA -- GT-5 Laredo Test Site	35mm
66-0061	NASA -- GT-5 Australia Test Site	35mm
66-0062	503 V-Sail -- For Mr. Austin	35mm
66-0063-1	Zoom Lens	35mm
-2	Zoom Lens with 3X	35mm
66-0064-1	1/1000 @ 3.5, 5.6, 8, 11 @ 9 Ft.	35mm
-2	1/1000 @ 3.5, 5.6, 8, 11 @ 15 Ft.	35mm
66-0065-1	TARC -- Pictures Used in Report	35mm
-2	TARC -- Pictures Not Used in Report	35mm
66-0066	C-130 -- Port Wingtip, Automax and Port Illuminometer	
66-0067	C-130 -- Overall View of Aircraft #022	
66-0068	C-130 -- Observation Periscope, Outside View	
66-0069	C-130 -- Lower Illuminometer and Driftsight, Outside View	
66-0070	C-130 -- Forward Cargo Door Instrumentation, Zn-Na Pod Open	
66-0071	C-130 -- Forward Cargo Door Instrumentation, Zn-Na Pod Closed	
66-0072	C-130 -- Starboard Wingtip, Internal View, without Magazine	



# Negatives, 1966

66-0001	NASA -- GT-5 Report
(1-11)	
66-0002	
(1-3)	C-130 -- Equilibrium Radiance Telephotometer
66-0003-1	C-130 -- Al Boileau, Computer Chart
66-0004-1	C-130 -- Al Boileau, Data Flow Chart
66-0005	Rudy
(1-7)	
66-0006-	Hemisphere
(1-3)	
66-0007-1	Hemisphere
66-0008-1	Hemisphere
66-0009-	Hemisphere
(1-2)	
66-0010	Gemini -- GT-7 Report
(1-12)	
66-0011-1	503 -- V-Sail Visibility Study, West-Pac, 14 Jan-10 Feb 66
	<u>CONFIDENTIAL</u>
66-0012-1	503 -- Jim Harris, V-Sail Computer Recall
66-0013-1	NASA -- Borman using I.F.V.T. on GT-7
66-0014	Submarine Pictures, Roz Austin Trip, color neg.'s 35mm
(1-8)	
66-0015-1	Aerial View Laredo Target, 35mm color neg.'s
66-0016	503 -- V-Sail Submarine Visibility Equipment
(1-6)	
66-0017	Al Boileau
(1-2)	
66-0018	503 -- V-Sail Equipment on Sub
(1-5)	
66-0019	Gemini -- Borman, Vision Tester, GT-5
66-0020	Gemini -- Laredo Site, GT-7
66-0021	Gemini -- GT-5 Vision Tester Scores Cr vs. Angular Subtense of Tgt
66-0022	
66-0023	Gemini -- Laredo Site, w/smoke, GT-7
66-0024	Famos Weather Maps (large neg.)
66-0025	RADI -- "5's" (large neg.)
66-0026	Moon Pictures, Lick Observatory
(1-8)	
66-0027	Moon Pictures, Lick Observatory
(1-6)	
66-0028	TARC -- Jim Bailey's Report
66-0029	FAMOS -- Report
(1-7)	
66-0030	NASA G. -- Display, GT-5 & GT-7
66-0031	C-130 -- Panel
66-0032	Labels -- Submarine Visibility Equipment
66-0033	C-130 -- Labels, Radiation
66-0034	Carrier Silhouette -- FDR Class
66-0035	TARC -- Jim Bailey, Targets, assorted



NEGATIVES 1965

65-0001 J. Harris, RADI  
65-0002 J. Harris, RADI  
65-0003 J. Harris, RADI  
65-0004-  
65-0008 J. Harris, RADI  
65-0009 " , Transfer function, Letter "S"  
65-0010 " ,  
65-0011 " , Graph -- Restoration vs. Spatial Frequency  
65-0012 " , Distortions of form  $T=e, -Kf^2$   
65-0013 " , Distortions of Transfer Functions of Form  $T=\frac{1}{1+Kf^2}$   
65-0014 " , Distortions of form  $T=\frac{\sin kf}{kf}$   
65-0015 " , Distortion of form  $T=\frac{1}{1+0.5f^2}$  Restored with factor  $R=1+Kf^2$   
65-0016 " , Distortion of form  $T=\frac{1}{1+.5f^2}$  Restored with factor  $R=1+Kf^2$   
65-0017 " , Photographic image recording at several turbulence levels  
65-0018 " , Integrations of Cape Kennedy Missile Launch movie film strip  
65-0019 " , Computer Restoration of Picture of Mr. Harris  
65-0020 " , Graph -- Amplitude vs. Spatial Frequency of Amplification and Attenuation  
65-0021 John Taylor, Landolt "C"  
65-0022 Jackie Gordon, Kelvin Wake -- operator matching overlay with picture  
65-0023 Wind velocity, Fractional Area of Sea Surface Covered by White Caps  
65-0024 Tiros Orbits 143-151  
65-0025 Apparent Sea Radiance from Orbital Altitude vs. Wind Speed  
65-0026 Sea State Determinability Index  
65-0027 Jim Harris, 6 conditions of targets and observer  
65-0028 Jim Harris, Graph-Detection Probability vs. Number of Fixation (Systematic vs. Random)  
65-0029 Jim Harris, Graph -- Valve of the Eye vs. Years  
65-0030 Dick Johnson, C-130 -- Drawing showing Zenith angle and line of sight of instruments on aircraft.  
65-0031 Ben McGlamery, Radi -- Gemini capsule target for restoration exp.  
65-0032 NASA -- Don Webb in bird cage  
65-0033 (2 through 6) Ira Resnick, Graphs -- Ship's Length vs. Ship's Width (503 Project)  
Filed in Large Negative File  
65-0034 A. Boileau, C-130 Project, Graph altitude -- 1000 ft. vs. watt-ft.<sup>2</sup>  
65-0035 A. Boileau, Graph -- Altitude, 10000's ft. vs. Nadir Luminance (Crestview Area)



NEGATIVES 1965

65-0036 A. Boileau, Graph -- Altitude, 1000's ft vs. Nadir  
Luminance (Cape San Blas)

65-0037 J.H. Taylor, Vision Research and Training Van, NASA  
Gemini

65-0038 Checkerboard Pattern (Large Neg.)

65-0039 Data files for S.Q.D.

65-0040 C-130 Drawing

65-0041 Vision Tester Data Card (Card B)

65-0042 Depth vs. Relative Radiance, R. Priesendorfer

65-0043 SIO Report 63-32; Fig. A-1 (Large Neg.)

65-0044 Sio Report 64-3, 64-5 -- Contents Page (Large Neg.)

65-0045 Quadratic Content Meter, Sio Report -- Ref. 64-8, Figs. 7-12  
Ben Mc Glamery (Large Neg.)

65-0046 Vision Tester Shipping Decals (for shipping containers)  
Loudermilk (large neg.)

65-0047 Letter C Chart (large neg.)

65-0048 RADI -- Gray Scale B. McGlamery (large neg.)

65-0049 Transmittance vs. Altitude for various Z angles, Flight 105  
(large neg.)

65-0050 Vision Tester, Wheel A (large neg.)

65-0051 Vision Tester, Wheel A (large neg.)

65-0052 Special -- 61-60(1), 1-18, 19, 20, 21, 22 Mr. Tyler  
(large neg.)

65-0053 Australian Target Site Vehicle (large neg.)

65-0054 NASA Gemini -- Vision Tester and In-Flight Photometer  
(small and large neg.)

65-0055 RADI Restoration Integration (large neg.)

65-0056 503 Fruit Experiment

65-0057 Exterior View -- NASA Van

65-0058 Exterior View -- NASA Van

65-0059 Exterior View -- NASA Van

65-0060 Exterior View -- NASA Van

65-0061 Incandescent Lamp as a Control System Element, Bob Howarth  
(large neg.)

65-0062 Laredo Test Sight Vehicle

65-0063 Electronic Close-up of Laredo Test Sight Vehicle

65-0064 NASA Nomographs for GT-5 (large neg.)

65-0065 Densitometer Rules (large neg.)

65-0067 65-2 (large neg.)

65-0068 In-Flight Vision Tester Wheel. Final. 20 May 1965  
(large neg.)

65-0069 In-Flight Vision Tester Wheel "B". 28 May 1965 (large neg.)

65-0070 Gemini 5 -- Australia Target Simulations (Training in Van)  
(large neg.)

65-0071 fog tunnel -- unnamed (large neg.)

65-0072 Tank and Van Model Photographs used in NOTS Report  
(large neg.)

65-0073 Missile Composite -- Cape Kennedy -- RADI

65-0074 503 -- Ships and Gray Scales

65-0075 John Taylor -- address and Vis Lab -- address for decals

65-0076 Vision Tester



65-0077	Instant Lettering Size Chart, 66 1/3%, 50% (large neg.)
65-0078	J. Harris
65-0079	I. D. Photographs -- Austin, Tate, Harris, Simas, Johnson, McMasters
65-0080	NASA Gemini -- Dr. Miller in Vision Tester Cage
65-0082	V.T.C. Instrument
65-0083	Al Boileau, sitting at desk
65-0084	Chart, from Kelvin Wake Report; Distance from Center of Boat vs. Distance from Sail Bow" (large neg.)
65-0085	Aspect Ratio Chart Mask for 503 (large neg.)
65-0086	Dr. Taylor and J.C. *** Donald Duck
65-0087	Effect of Noise Level on Recognition of Ca. and Ca. Decoy
65-0088	Effect of Resolution on Recognition of Ca. and Ca. Decoy
65-0089	
65-0090	
65-0091	
65-0092	
65-0093	
65-0094	
65-0095	
65-0096	



# Negatives, 1965

65-0103	G.T.-5 Laredo, Texas, Rev. #33 23,500 ft.
65-0104	G.T.-5 Laredo, Texas, Rev. #48 23,500 ft.
65-0105-1	Graph of Calculated Threshold Contrast vs. Angular Size for Statistical Summation
65-0105-2	Graph of Detection Probability vs. Illuminance Level for Several Angular Subtense
65-0105-3	Schematic Representation of Statistical Summation Model for Visual System
65-0105-4	Graph of Retinal Image for Various Circular Objects
65-0105-5	Equation for Quantum Efficiency of Visual System with Statistical Summation
65-0105-6	Equation Describing Retinal Image as Convolution of Objects and Point Spread Function
65-0105-7	Equation for Total Detection Probability for a Number of Independent Visual Channels
65-0105-8	Photographs of C.R.T. Display of Retinal Images of Illiterate E.
65-0105-9	V.T.C. Exploded Optical and Mechanical Drawing
65-0106	G.T.-5 Photometer, Photometer Output vs. Closest Approach Time (Rev. #33, #48, #107), and Astronauts' Visit to Vis Lab.
65-0107	NASA Astronauts on Visit to Vis Lab: Cooper, Conrad, Armstrong, and See. 12 neg.'s, 4x5
65-0108	NASA Vision Tester Eye Survey Apparatus (Cooper, Conrad) (large neg.)
65-0109	Film Scanner (composite of Scanner Key Punch and Electronics) (large neg.)
65-0110	NASA Wind Roses Chart for Yuma, Arizona -- December (large)
65-0111	Mark IV Telephotometer Line Neg. (large neg.)
65-0112	CVC Max. Sighting and Range Calculation (large neg.)
65-0113	C-130 line drawings, side and front view (large neg.)
65-0114	NASA G.T.-5, 4:1 Rectangle (large and small neg.)
65-0115	Aerial View Rome A.F.B., Rome, N.Y. (large neg.)
65-0116	"E" Meter
65-0117	Diamond Island -- Dr. Duntley, Laser, 35mm.
65-0118	Pahrump -- Sky Pictures, Oct., 1963 - Mar., 1964, 35mm.
65-0119	Pahrump -- Sky Pictures, Mar. 17, 1964, 35mm.
65-0120	N.B.T. Assembly Engineering Photos, 35mm.
65-0121	Gemini -- Dr. Taylor, Australia Test Site, Aerial View of Ground Targets, (large neg.)
65-0122	Photo, illustration of SERVICE REQUEST FORM (large neg.)
65-0123	Attenuation Length vs. Altitude, Flight No. 650822-2 C-130
65-0124	C-130 -- Temp. vs. Altitude, Flight No. 650822-2
65-0125	In Flight Vision Tester and Photometer, Description and Assembly, NASA G.T.5 and G.T.7, (19 large neg.'s)
65-0126	J.C.'s Chart Making Method for Prints and Slides (large neg.)
65-0127	John Tyler -- Optical Oceanography Flow Chart
65-0128	John Tyler -- Radiance Distribution Diagram
65-0129	John Tyler -- NBT Schematic
65-0130	John Tyler -- NBT Data
65-0131	John Tyler -- Radiance Distribution w/ Depth
65-0132	John Tyler -- Radiance Distribution Above and Below Water
65-0133	John Tyler -- Radiance Distribution Asymptotic
65-0134	John Tyler -- Radiance Distribution



Negatives, 1965

65-0135	Hemisphere
65-0136	Hemisphere, Chin and Head Rest Assembly
65-0137	John Tyler
65-0138	John Tyler
65-0139	NASA G
65-0140	NASA GMT Time Computer Wheel
65-0141-1	NASA -- Van and Truck in Laredo, Texas
65-0142-1	NASA -- Ground Targets in Laredo, Texas
65-0143-1	Jackie Gordon



NEGATIVES 1964

1/28/64	64-0001	Mr. Al Boileau Log-Log Graph (Large Negatives 4 Log X I Log	
2/4/64	64-0002	Dr. Duntley (For Optics Magazine	
2/10/64	64-0003	Ben Mc Glamery (Special Equipment)	
2/14/64	64-0004	Mr. Jim Harris Sea State ( <u>CONFIDENTIAL</u> )	2 Slides
2/17/64	64-0005	Mr. Tyler Charts No 24 1-Pacific Coastal Water 2-OutPut Ratio Vs. Wavelength 3-Table 1 Equal Cosine Collection 4-Rate of Photo Synthesis Vs Detector Response	4 Slides
2/17/64	64-0006	Mrs. Jackie Gordon (For Roof Top Azimuth Indicator & Elevation (Large Negative	
3/2/64	64-0007	Van Target - - N.O.T.S. Report (35mm) Negative Shows Effect of Not Properly Oriented with the Sun.	
3/2/64	64-0008	Polarizing Effect in Sky Simulator (35mm) Neg.,	
3/2/64	64-0009	Roof Top Sky Camera Elevation Angle Calibration (35mm Neg.,)	
3/3/64	64-0010	Mr. Ira Resnick Off the Point	
3/5/64	64-0011	Mr. Jim Harris Example (Large Negative)	
3/5/64	64-0012	Mrs. Jackie Gordon (Large Negative) Nomograph for Applied Optics Article	
3/5/64	64-0013	Example for Graphs for Guide I (Photo Lab)	
3/5/64	64-0014	Mr. Jim Harris Graph for Composite For Applied Optics Article Dr. Duntley	
3/13/64	64-0015	Mr. Jim Harris Radar Van Classification V.T.C.	2 Slides
3/13/64	64-0016	Dr. Taylor LIGHT METER FOR THE TUNA COMMISSION Research Grant "SID"	
3/16/64	64-0017	Jim Harris (3 Box Exposure Trail (35mm)	
3/18/64	64-0018	Pahrump Grey Scale Camera Copy of Paste-Up Showing Grey Scale Insert	
3/19/64	64-0019	Solar Transmissiometer (Copy of Past-Up)	(2 Slides
4/9/64	64-0020	Gemini	
4/13/64	64-0021	V.T.C. Bob Howarth	
4/17/64	64-0022	Project Radi Test Targets Ben Mc Glamery	
4/20/64	64-0023	Project 503 Bob Howarth Decal for Chassis Relay Line Compensator	
4/20/64	64-0025	Laboratory Location Map Conference 4/27/29/64	
4/24/64	64-0026	Mrs. Jackie Gordon Polar Plots	
4/24/64	64-0027	Mr. Jim Harris Star Plane Restoration	



NEGATIVES 1964

2/7/64	64-0028	Dr. Taylor Automation Presentation Material N A S A GEMINI PROPOSAL
5/7/64	64-0029	Mrs. Jackie Gordon Aviator for applied optics
5/13/64	64-0030	Mr. Jim Harris (Scrap Neg.) (Figure 4"S) Radi
5/13/64	64-0031	Mr. John Tyler No 25
5/13/64	64-0032	Door of Bldg., 339
5/14/64	64-0033	Torky's Photograph
5/14/64	64-0034	Mr. Al Boileau (C-130 Airplane) (Rough Art)
5/14/64	64-0035	Mr. Al Boileau (C-130 Tape Console)
5/14/64	64-0036	Tank Model Showing Sun & Overcast
5/14/64	64-0037	Radi Van Model at Various Sun Angles
5/18/64	64-0038	White Cap Photograph 503
5/18/64	64-0039	Control Console for Radi Film Scanner
5/19/64	64-0040	Gemini Psychological Ex 4 to I Rectangle Target
5/20/64	64-0041	John Taylor Gemini Head Dimensions
5/20/64	64-0042	Copies Mock up for N.B.T.
5/20/64	64-0043	Nikon Camera Instruction Hook
5/20/64	64-0044	Jackie Gordon Slides for Air Form
5/20/64	64-0045	Luminance V.S. Sun Angle Mrs. Jackie Gordon
5/20/64	64-0046	Mrs. Jackie Shot of Model Trailer on Roof
5/21/64	64-0047	Ground Station at N.O.T.S.
5/21/64	64-0048	Camera Pod N.O.T.S.
5/21/64	64-0049	N.O.T.S. Charlie Range 4000"
5/21/64	64-0050	Pahrump Handbook 19 Envelopes of 35mm (I Color) 29 (4 X 5" Negatives)
6/21/64	64-0051	Dr. Taylor (Eye Vision) (Letter E
7/7/64	64-0052	Roof (503) May 1964
7/7/64	64-0053	Radi Mr. Jim Harris 6 Slides
7/7/64	64-0054	Gemini Project Dr. Taylor 9 Slides
7/24/64	64-0055	In-Flight Vision Testor Gemini Project
7/24/64	64-0056	Radi Report Figure # 4
7/24/64	64-0057	Radi Target Jim Harris
7/29/64	64-0058	Teletype Tape Discriminator (Dick Ensminger)
7/29/64	64-0059	Dr. Duntley Optical Material
7/21/64	64-0060	Photometer Gemini Project
7/31/64	64-0061	Gemini Project In-Flight Photometer & Vision Testor
8/14/64	64-0062	503 Ship Chart
8/14/64	63-0063	Goemetry of the System Laser of the Applied to ASW JIM Harris (CONFIDENTIAL)



NEGATIVES 1964

8/17/64	64-0064	Dr. Duntley Laser Lam Diamond Island Charts 4 Slides
8/20/64	64-0065	Radi Target
8/20/64	64-0066	Schematic of Teletype Tape Discriminator Dick Ensminger
8/21/64	64-0067	Schematic for Ben Mc Glamery Put into 64-0058
9/15/64	64-0068	Temp and Hydrological Range Vs Depth Chart
9/28/64	64-0069	Underwater Camera Dr. Taylor
10/12/64	64-0070	Photometer Power Supply- Model 3 (Font Panel (8 X 10"Neg.,)
10/12/64	64-0071	GEMINI Visual Performance Modes
10/12/64	64-0072	GEMINI Environmental Factors
10/12/64	64-0073	GEMINI Visual Tasks in Space
	64-0074	N B T Interior & Exterior Views & Power Supply
	64-0075	C-130 Photographs of Power Supplies Installation location of Equipment Ext Views of Air Craft
	64-0076	C-130 In-Flight Photometer Vision Tester Photograph and Illustrations
	64-0077	180 Lens Underwater Camera Case
	64-0078	Sky Simulator Mirror for T.V. Camera
	64-0079	Sky Simulator T.V. Camera In Position
	64-0080	Sky Simulator Sun Projector
	64-0081	Sky Simulator Sun Projector
	64-0082	Roger Revelle Going Away Party
	64-0083	C-130 Top View Line Drawing
64-0093	64-0093	Laneda Texas Instrument (22 Negatives)
	64-0094	Gemini Window Check out Negatives)
	64-0095	Gemini Vision Tests Electronic Fig 5 Negatives View each



NEGATIVES

11/13/63	63-0069	Mr. Richard Ensminger Charts	For Report 503
12/19/63	63-0070	Mr. Al Boileau For Article	(LARGE NEG.)
12/19/63	63-0071	Mr. Austin For Article	(Large Neg.,)



# NEGATIVES 1964

7/5/63	63-0039	Dr. Duntley (57-0036) Florida Missile also (L.N.) a Number of other Prints 61-0068-61-0013 58-0024-63-0019-63-0022-61-0013(13) 59-0002 63-0031-61-0013(4) 61-0013(9) 57-0027-60-0036 57-0036-63-0031 Taken also from a Colored Slide
7/5/63	63-0040	Title on Slide (Large Negative)
7/5/63	63-0041	Title Block on Engineer Drawings (Large Negative)
7/5/63	63-0042	Mr. Al Boileau (C-130 Photometer Power Supply L.N.)
7/8/63	63-0043	Dr. Duntley (Charts of Shimmer Meter(Chassis) L.N.)
7/12/63	63-0044	Mr. Richard Ensminger Drawing of Discovery of Satellite (No Neg.,)
7/12/63	63-0045	The Trailer with New Sun Shade
7/16/63	63-0046	A Quadratic Content Meter
7/16/63	63-0046	A Quadratic Content Meter
7/17/63	63-0047	A Quadratic Waveform Ben McGlamery (Large Negative)
7/24/63	63-0048	Mr. Jim Harris Charts to be used in Article(L.N.)
8/15/63	63-0049	Pahrump Field Test (1st on Aug 1963) (4 X 5") Negatives also 35mm Negatives
8/22/63	63-0050	Dr. Duntley Chart also 60-0027 Chart Optical 2 Slides
8/26/63	63-0051	Roof Top Scanner High Speed (Check Out)
9/3/63	63-0052	Dr. Taylor Chart (No Negative)
9/5/63	63-0053	Dr. Duntley Charts Report (Light in the Sea) also Negative from 62-0016 put into this envelope
10/8/63	63-0054	Dr. Duntley Charts 3 Slides
10/9/63	63-0055(10)	Charts for (503Report) Ben Mc Glamery
10/17/63	63-0056	Roof top Scanner (503)
10/22/63	63-0057	Mr. Austin (Fog Report)
10/25/63	63-0058	Azimuth Indicator L.N.
10/25/63	63-0059	Jim Harris V.T.C. For Report
10/30/63	63-0060	Mr. Al Boileau (C-130) Bedford Mas., Hanscome field
11/1/63	63-0061	Mr. Al Boileau Charts 4 Slides
11/4/63	63-0062	Mrs. Gordon Chart (Taken from a Book
11/4/63	63-0063	Optics Null Balance Transmissometer
11/14/63	63-0064	Dr. Taylor's Diagram of Vertical Section of Typical Teleost Eye Some of the Other Negatives belong to Mr. Tyler (59-0038 60-0011) 61-0056 59-0007 58-0051-58-0023
11/12/63	63-0065	Dr. Duntley No Negative
11/12/63	63-0066	Bob Howarth (Charts- Target Optical System Report)
11/12/63	63-0067	Mr. Al Boileau C-130 Report
11/13/63	63-0068	Mr. Tyler 2 Negs., 1 Line Drawing and 1 Half-tone (Spacelight Spectrometer) 23 Number



NEGATIVES 1963

63-0001 Mr. Al Boileau (Dick Johnson) Trailer and Airplane  
63-0002 Dr. Taylor Air and Water Experiment  
63-0003 Dr. Duntley Equipment The Transmissometer (Large Negative)  
63-0004 Dr. Taylor Vision Special 1 Slide  
63-0005 Dr. Duntley Charts 9 Slides  
63-0006 Mr. Jim Harris (Special Equipment (Jim Harris File) Sensor Resolution  
63-0007 Dr. Taylor Charts (Large Negatives)  
63-0008 Mr. John Taylor Passport  
63-0009 Mr. Tyler Passport  
63-0010 Mr. Jim Harris Radi ARPA 1 Slide  
63-0011 Mr. Jim Harris Charts (Large Negatives)  
63-0012 Mr. Jim Harris Negatives made for Article (Large Negatives)  
63-0013 Mr. Jim Harris Typical Frequency Radi  
63-0014 Mr. Jim Harris Line up Grid for the Simulator  
63-0015 Mr. Al Boileau (P.M.) (Large Negatives)  
63-0016 Mr. Richard Ensminger color Teletype Discriminator System  
63-0017 Dr. Taylor Dr. Duntley (Vision) (Large Negative 1 Slide)  
63-0018 Mr. R. Austin (Special Equipment) (Fog)  
63-0019 Mr. Jim Harris (Special Equipment)  
63-0020 Mr. Al Boileau Aerial Photo San Diego (Large Negative)  
63-0021 Probe Pressure Balance Meter (c-130) (Large Negative)  
63-0022 Mr. Tyler (Series of Negatives and Prints (2 Each Special No 20)  
63-0023 Mr. Al Boileau Photometer Temperature (C-130) Large Negative  
63-0024 Tank & Van Shadow Targets (Small Negatives)  
63-0025 Mr. Al Boileau (Electronic Equipment for (C-130) (Large Negative)  
63-0026 Mr. Tyler Special No 21 Special Equipment  
63-0027 Dr. Taylor Targets  
63-0028 Dick Ensminger N.O.T.S. (Large Negatives)  
63-0029 Gonio Model (Large Negative a Series of 35mm Negatives  
63-0030 Mr. John Tyler (Special 22) Special Equipment  
63-0031 Mr. Jim Harris (Washington Prints Slides 150 (63-0031) mm  
( 63-0019-63-0005-62-0027-63-0031mm) a Series from this 61-0013  
Negative 61-0068-60-0045-55-00324(14)  
63-0032 Bruce Ruff N.B.T.  
63-0033 Mr. Jim Harris Distorted "ARPA" and Recovery Math Distortion  
and Actual Distortion on Scanner  
63-0034 Radi Scanner GRID  
63-0035 Chart of Noise Level before and after Restoration DVP. OF C1-0013-C  
63-0036 Operation Analysis of Satallite Recon.,  
63-0037 Optics - Electronics 1 Slide  
63-0038 Bob Stapleford Target .042



NEGATIVES 1962

62-0036 Mr. Tyler I. The Snell pictures for the Sky from Underwater  
 2. The Beam of light for a Calm Surface  
 3. The Beam of light for a Rough Surface  
 4. The Sun Noise Chart (Special 16)

62-0037 Dr. Duntley Diamond Island Equipment to be shipped to  
 Diamond Island (Special)

62-0038 Special Sensitivity of 50-00121 Film (Chart)

62-0039 Dr. Taylor (Tank) No Negative (Nets) Trip ot Mexico

62-0040 Mr. Al Boileau Chart

62-0041 Mr. Jim Harris Hugo (Chart Special)

62-0042 Mr. Tyler Special Equipment (Special 17)

62-0043 Mr. Al Boileau (Equipment)

62-0044 Mr. Austin Fog Equipment

62-0045 Bugs Mr. Tricoles

62-0046 Mrs. Jackie Gordon China Lake N.O.T.S. Project on Lot

62-0047 Dr. Duntley (35mm) Diamond Island Underwater

62-0048 Mr. Jim Harris Radi Grey Scale 10 Step

62-0049 Square Law Filter Scope Square Wedge

62-0050 Mr. Tyler Equipment (Special 18)

62-0051 Dr. Taylor Charts

62-0052 Dr. Duntley Charts Mrs. Jackie Gordon Plus X Curve

62-0053 Mr. Jim Harris Washington Oct 24-62 (503 Target)

62-0054 Mr. Al Boileau Charts (Speech # 7 Slides

62-0055 Mr. John Tyler Charts Etc., Special 19 JAPAN) (Large Negative)

62-0056 Mr. Richard Ensminger Charts Negatives

62-0057 Mr. Al Boileau Equipment Airplane H Meter Ground Irradance Meter

62-0058 Dr. Taylor Vision Chart

62-0059 Mr. Jim Harris (Ships) (WASHINGTON)

62-0060 Dr. Taylor Chart for Report

62-0061 Mr. Jim Harris 503 (S) Washington  
 A large Negative also some small Negatives  
 Pertaining to this Group



1962

NEGATIVE FILE

62-0001(2) Mr. John Tyler (German Article No (2-3)  
62-0002( ) Mr. Don Webb Special Equipment  
62-0003(5) Mr. Jim Harris Radi & Special Equipment (61-0020)  
also 61-0042 (Denver 1/22/62 9 Slides  
62-0004( ) Mrs. Jackie Gordon Gonio Pictures (Cruiser & Tanker)  
35mm (10 Envelopes 38 Strips or Negatives)  
62-0005( ) Mr. Jim Harris Radi Intergration Noise  
35mm (2 Envelopes 6 Strips or Negatives)  
62-0006( ) Mr. Al Boileau 180 Degree Colored Jan 29 1962  
62-0007( ) Mr. John Tyler Charts (Special No 4-5-6-7-)  
62-0008( ) Dr. John Taylor Charts (Special)  
62-0009( ) Mr. Don Webb Experiment (Special)  
62-0010( ) Mr. John Tyler Charts (Special 8-9-10-11-12-13-)  
62-0011( ) Mr. John Tyler (Special No 14)  
62-0012(4) Mr. Dave Hooton Copies Milling Machine NEL  
62-0013( ) Dr. Taylor B.T.C. Targets  
62-0014( ) Mr. Bruce Ruff (Mr. Al Boileau) 180 Degree Lens  
62-0015( ) Nikon Zoom Lens Kit  
62-0016(17) Dr. Duntley Charts for Article also 5 Negatives 61-0047  
59-0002 Also Negative of the Model Tower for Diamond Island  
62-0017(7) Machine Shop O Ring Grove Cutter  
62-0018(1) Mr. Jim Harris Special also for Report 62-4 Schematic  
62-0019(6) Mr. Jim Harris V.T.C. Richard Ensminger 6 Slides  
62-0020( ) Mr. Jim Harris Chart (CONFIDENTIAL) 16 Slides  
62-0021( ) Mrs. Jackie Gordon Charts 61-0025-61-0053 and Tanks on 35mm  
56-0054-58-0036-59-0013 (CONFIDENTIAL) 31 Slides  
62-0022(14) Mr. Al Boileau Charts 16 Slides  
62-0023(13) Mr. Hadely Richardson Charts 13 Slides  
62-0024(1) Dr. John Taylor Charts for The Symposium April-17-18-19-62 1 Slide  
62-0025( ) Mr. Jim Harris Charts for the Report (62-4) (CONFIDENTIAL)  
62-0026( ) For the Report of the Symposium also Negative from 62-0024  
62-0022-62-0021-61-0025-60-0036-59-0037-59-0022-59-0013  
56-0054-56-0048-55-00225  
62-0027( ) Mr. Jim Harris Chart for Talk at L.A. May 4 1962 1 Slide  
62-0028( ) Mrs. Jackie Gordon (Helmet A.S.R. Search Lite (Other Negatives also  
62-0029( ) Mr. Al Boileau Spectrophotometer  
62-0030(15) Dr. Duntley Diamond Island  
62-0031(1) Mrs. Jackie Gordon (Chart Altitude of Sun Degrees(Dr. D'2 Slides)  
62-0033(3) Mrs. Jackie Gordon Charts  
62-0034(3) Mrs. Jackie Gordon Trailer Van N.O.T.S. 35mm  
62-0032( ) Mr. John Tyler (A Drawing of an Aquarium Special No 15 1 Slide  
62-0035(3) Mrs. Jackie Gordon Tanks N.O.T.S. Project



1961

NEGATIVE FILE

61-0043	Mr. Al Boileau Charts	7 Slides
61-0044	Mr. John Tyler Charts & Tank	11 Slides
61-0045	Dr. Duntley Underwater Patterns	
61-0046	Mr. Al Boileau Chart & E Meter <i>+ H meter</i>	4 Slides
61-0047	Dr. Duntley Special Equipment	8 Slides
61-0048	Mr. Leo Rogers Plastic Experiment	
61-0049	Mr. Tyler The Spectrograph	1 Slide
61-0050	Dr. Duntley (For Speech Optical Society	24 Slides
61-0051	Dr. Duntley Charts & Tank <u>CONFIDENTIAL</u>	11 Slides 6 CONF., +
61-0052	Mr. Jim Harris Film Strip Aircraft Carrier	<u>CONFIDENTIAL</u> 503
61-0053	Mrs. Kay Edgerton Airplane	
61-0054	Mr. Dave Hooton Special Equipment	
61-0055(3)	Dr. Taylor Charts	
61-0056( )	Mr. Tyler Charts also 59-0038 & 61-0003 National Science Foundation	15 Slides
61-0057( )	Illumination Foot Candles	
61-0058	Dr. Duntley Underwater Specimen	
61-0059	Dr. Taylor Instrument (pecial)	
61-0060	B-52 Winged Span	
61-0061	Mrs. Jackie Gordon Submarine Models	
61-0062	Dr. Taylor Observer	
61-0063	Mr. Jim Harris T.V. Experiment <i>Dr. Duntley</i>	
61-0064	Mr. Richard Ensminger Shimmer Pictures	
61-0065	Dr. Taylor Charts	
61-0066	Mr. Tyler Chart (SPECIAL (1)	
61-0067	Dr. Taylor (Eye Article)	
61-0068	Mr. Jim Harris Charts Radi	
61-0069	Mr. John Tyler Underwater Experiment	
61-0070	Mr. John Tyler (Chart and Light Beam) <i>35 mm</i>	
61-0071	MR. JIM HARRIS SOME NEGATIVES WERE TAKEN FROM 61-0013 AND PLACE IN THIS GROUP <u>61-0071</u>	
61-0072	Mr. Jim Harris 503 Reference Slides Ships Wakes Series (WASHINGTON	



1961

NEGATIVE FILE

61-0001(1)	Mr. Austin (Chart R.C.A. Folder) Technical Journal
61-0002(1)	Dr. Taylor (Charts)
61-0003(1)	Mr. Tyler Alpha Meter (Special)
61-0004( )	Mr. Richard Ensminger Chart (Densitometer)
61-0005( )	Mr. J.J. Rennilson Chart also Negatives from 60-0016-60-0061
61-0006( )	Mr. Tyler Charts Measurements of Perpendicular & Horizontal angular
61-0007( )	Mr. Robert Howarth (Targets & Grey Scales No Negatives
61-0008( )	Mr. Richard Ensminger Logarithmic Photometric
61-0009( )	Dr. Taylor Strobe Disk
61-0010(1)	Mr. John Tyler Chart
61-0011(1)	Dr. Duntley Chart (For Trip on March 24th 1961
61-0012(4)	Dr. Taylor Chart 4 (Washington March 27th 1961
61-0013(45)	Mr. Jim Harris (Prints & Slides for the Washington Trip) March 1961 (503) Also Negatives from 60-0036 and several from a Movie Strip, also from a glass plate
61-0014( )	Mr. Tyler Special Equipment (Copy)
61-0015( )	Dr. Duntley Aerial Recon. Photo of German Airport
61-0016( )	Dr. Duntley Polaroid Shots of Barge Paint glass
61-0017( )	Dr. Duntley Lathe shots showing How Sea Surfaces are made <i>no neg</i>
61-0018( )	Jim Harris Normal Operations I O Modification
61-0019( )	Jim Harris Pulsed Operations I O Modification
61-0020( )	Jim Harris I O Modification (Used in Report)
61-0021( )	Mrs. Jackie Gordon B-52 Photo in S.A.C. Report
61-0022( )	Mr. Richardson (Ozalid Master) For a Paper <i>no neg</i>
61-0023(9)	Dr. Duntley Charts 9 slides
61-0024( )	Radi Project
61-0025( )	Camera Gonio
61-0026( )	Mr. Al Boileau Charts
61-0027( )	Dr. Taylor 2 slides Conference 2/24/25/61 <i>no neg</i>
61-0028( )	Mrs. Jackie Gordon Conference 2/24/26/61 <i>no neg</i>
61-0029( )	Miss Kay Fean Thresholds Data
61-0030( )	Mr. Al Boileau Charts 6 slides Negatives put in with 61-0031
61-0031(5)	Mr. Al Boileau Charts No 60-0050 E Meter 5 slides
61-0032(3)	Mr. Tyler Chlorophyll Spectrum Charts
61-0033( )	Mrs. Peggy Chruch Special
61-0034( )	Dr. Duntley Telescanner
61-0035( )	Dr. Taylor Air Borne Turbidity Meter (Special Equipment)
61-0036( )	Mr. Al Boileau (C130 Airplane)( The Drawing of Plane) (with Equipment)
61-0037( )	Dr. Duntley Exacta Calibrations
61-0038( )	Dr. Duntley Special Equipment
61-0039( )	Dr. Taylor Charts (Reflector Efficiency, Searchlight Beam State Miles)
61-0040(23)	Mr. Jim Harris Charts (To be used for Speeches) 23 slides
61-0041(7)	Mr. Jim Harris Charts for Report (Conf.)
61-0042( )	Mr. Jim Harris I O Modification



1960

NEGATIVE FILE

60-0047	Dr. Duntley Photo (Charts)
60-0048	Dr. Taylor Equipment
60-0049	Mr. Jim Harris Regulated Voltage Supply
60-0050	Mr. Al Boileau Light Diffuse E Meter Cap
60-0051	Mr. Richard Ensminger Charts (Densitometer)
60-0052	Dr. Duntley Charts Reports
60-0053	Mr. Robert Howarth Charts Photometer Lamps
60-0054	Dr. Duntley Photo of Diamond Island
60-0055	Mr. Tyler charts (Case No 5651
60-0056	Mrs. Jackie Gordon Airplane
60-0057	Mr. Jim Harris 503 Ben Mc Glamery
60-0058	Dr. Taylor Charts Star Study
60-0059	Mr. Tyler 5651 Project
60-0060	Mr. Al Boileau E Meter Cap
60-0061	Mr. J.J. Rennilson (Some of the Negatives are in the files also Negatives No-60-0005-60-0013-60-0030 21 Slides



1960

NEGATIVE FILE

60-0001 Dr. Taylor Material Pertaining to the Eye  
60-0002 Mr. Boileau Chart Efficiency  
60-0003 Mr. Tyler Intergrating Sphere  
60-0004 Dr. Taylor The Simulator (Sphere)  
60-0005 Dr. Duntley The View Box ✓  
60-0006 Mr. J.J. Rennilson Spectral Analysis Plus X No Negative  
60-0007 Dr. Taylor Aperture  
60-0008 Mr. Austin Test of Exposure in the Sphere No Negatives  
60-0009 Miss Kay Fean Contrast Thresholds Charts  
60-0010 Mr. Austin Simulator Test No Negative  
60-0011 Mr. Tyler Charts 6 slides  
60-0012 Mr. Tyler Charts 3 slides Speech  
60-0013 Mr. J.J. Rennilson The Searchlight Program ✓  
60-0014 Mr. Tyler Underwater Nepelometer  
60-0015 Dr. Taylor Charts 10 slides  
60-0016 Mr. Tyler Charts  
60-0017 Dr. Duntley 3 slides  
60-0018 Dr. Taylor Charts  
60-0019 Mr. Al Boileau Exposure Test of Refractometer  
60-0020 Mr. Tyler Charts Optical (Reports)  
60-0021 Dr. Taylor Charts  
60-0022 Mr. Tyler Negative used for Report May 15 1960 *prints other negs*  
60-0023(21) Dr. Duntley Depth Perception  
60-0024 Mr. Austin Copies Flares  
60-0025 Mr. J.J. Rennilson Lense Test No Negative  
60-0026 Dr. Taylor Charts Relative Efficiency of the Naked Eye  
60-0027 Mr. Tyler Charts  
60-0028 Mr. Austin Igloo Research (Report June 1960) 4  
60-0029 Dr. Duntley (Swimmer Nomograph Report  
60-0030 Schematic of View Box (Used in Searchlight Report  
60-0031 Dr. Taylor Wavelength Vs Thickness Wratten 78AA Filter  
60-0032 Dr. Taylor Thresholds Contrast Large Negative in Dr. Taylor file  
60-0033 John Hood a painted Model (Ships)  
60-0034 Dr. Taylor Charts ✓  
60-0035 Miss Kay Fean Ships for Report  
60-0036 Mr. Austin Igloo Research (Reports) ✓  
60-0037 Mr. Al Boileau Charts  
60-0038 Mr. Ed. Martz Gonio (Special Equipment)  
60-0039 Mr. Richard Ensminger The T.V. Marker  
60-0040 Dr. Preisendorfer Charts  
60-0041 Mrs. Jackie Gordon B-52 Airplane Neg in with 56  
60-0042 Mr. Al Boileau Chart 6 slides  
60-0043 Dr. Duntley 5 tables Charts Mr. Richardson  
60-0044 Dr. Taylor Fifo Project  
60-0045 Mr. Al Boileau 180° Camera  
60-0046 Dr. Duntley M.R.M. Meter



1959

NEGATIVE FILE

59-0026 Mr. Austin  
Water Clarity Meter Underwater Transmisometer  
Shipping Date July 21 1959

59-0027 Mr. Martz 1 slide  
Chart for Speech

59-0028 Mrs. Jackie Gordon 1 slide  
Chart for work Sheet

59-0029(1) Mr. Ed. Martz  
Charts Mr. Martz has these Negatives

59-0030(3) Mr. Jim Harris  
Scape Pier

59-0031(2) Mr. Richard Johnson Nuclei Counter 2 slides

59-0032(2) Dr. Duntley Charts Target

59-0033(2) Mrs. Jackie Gordon Destroyer Paint

59-0034( ) Dr. Duntley The Searchlight Project

59-0035(4) Dr. R. Preisendorfer Charts Slides were made 4 slides

59-0036( ) Dr. Duntley & Mr. Austin The Searchlight Program  
These negatives were put into the 59-0034 Envelope

59-0037( ) Mr. Martz Spectra Brightness The Spot Meter

59-0038( ) Mr. Austin The Jancie Meter or K Meter

59-0039( ) Mr. Jim Harris The Simulator Filter

59-0040( ) Mr. Tyler Galathea Report Volume 1 Primary Ocean Production

59-0041( ) Mr. Jim Harris Charts

59-0042( ) Mr. Martz An Airport

59-0043(10) Mr. Jim Harris Wire Angle Charts

59-0044(3) Mr. Ed. Martz Chart Light 3 slide

59-0045(10) Mr. Jim Harris The Searchlight Program

59-0046(10) Mr. Jim Harris R.V. Program

59-0047(2) Mr. Tyler The Intergrating Sphere No Negatives



1959

NEGATIVE FILE

59-0001 Mr. Tyler Slides made  
Oceanographic Material Copies from a Russian Paper

59-0002 Mr. Austin  
Water Clarity Meter 2 enveloped with instruction Mannual Material

59-0003 Dr. Taylor Star Navigation Test Set Up

59-0004(1) Dr. Duntley  
Irradiance is Function of Depths

59-0005 Water Clarity Meter (Photo to be used for the Instruction Mannual N.N)

59-0006 Electronic Blinker Lights

59-0007(4) Mr. Tyler  
Charts & also made (4 positive for Ozalid) 4 slides

59-0008(1) Mrs. Jackie Gordon Chart (Foot Candles)

59-0009(2) Mr. Tyler  
Telephotometer 2 Slides

59-0010(2) Mr. Austin  
Water Clarity Meter Date of Shipment 1/30/59 No Negative

59-0011(1) Mr. Al Boileau  
Cook Turbidity Meter No Negative

59-0012 Mrs. Jackie Gordon  
Dr. Black report 35mm 2 rolls (Small Trucks)

59-0013(3) Dr. Duntley  
Gonio Project

59-0014 Dr. Duntley & Dr. Taylor  
The Searchlight Project Neg.,

59-0015(2) Mrs. Jackie Gordon  
Nomographs No Negatives

59-0016 Dr. Preisendorfer  
Charts for Speech 2 slides

59-0017 Dr. Duntley & Mr. Austin Neg., (Put in with 59-0013) Gonio

59-0018 Mr. Jim Harris  
Visual Research 12 slides

59-0019 Mr. Martz No Negatives 3 slides

59-0020 Mrs. Jackie Gordon  
Silhouettee Planes No Negatives

✓ 59-0021 Dr. Duntley  
Optical Society Meeting 1958

59-0022 Mr. Al Boileau  
Charts 13 slides

59-0023 Mr. Al Boileau  
Airplane from Colored Negatives 35mm Ozalid Master No Neg.,

59-0024 Mr. Ed. Martz  
Cloud Height Finder 7 slides

59-0025(8) Mr. Ed Martz  
Graphs for Speech



1958

NEGATIVE FILE

58-0036(1) Dr. Duntley Sea State Simulator  
58-0037(1) Dr. Taylor Spot Photometer & Meter Unit  
58-0039(1) Micro Wave Refractometer Special Equipment Mr. Boileau  
58-0040(3) Special Equipment I.S.C. Meter Mr. Austin  
58-0041(9) Dr. Duntley Charts Optic Date May 1954 These Negatives were  
made for Dr. Duntley in 1954 and were just used to make Dr. Ballard  
Slides.  
58-0042(1) Al Boileau Micro Wave Refractometer Special Equipment  
58-0043(1) Barrel Meter Dr. Duntley Special Equipment  
58-0044(1) The Tank Mr. Tyler Special Equipment  
58-0045(6) Prints Negatives were returned to Mr. Rassman Sept 16 1958  
Prints were made for Dr. Duntley and Mr. Tyler  
Negatives were sent back to the Photo Lab are in Steelmaster Drawer  
58-0046(1) Mr. Austin Ballistic Missile I.S.C.M. Special Equipment  
58-0047 No Negatives  
58-0048(2) Dr. Preisendorfer Charts for the Conference Slides  
58-0049(1) Mr. Austin & Mr. Tyler underwater Photometer  
used in Article Also 55-00403 & 57-0023  
58-0050(4) Dr. Taylor Small Spots used for S.A.C.  
58-0051( ) Mr. Tyler The Alpha Meter  
58-0052( ) Mr. Austin The Beta Meter



# NEGATIVE FILE 1958

58-0001 Coast Guard Dr. Taylor  
 58-0002(1) Underwater Photometer Lake Pond Oreilla Mr. Tyler  
 58-0003(2) Mr. J.J. Rennilson Bar Photometer  
 58-0004(4) Mr. Jim Harris Lens Test Equipment  
 58-0005 Dr. Duntley has these Negatives  
 58-0006(6) Inshore Survey Panel Dr. Duntley  
 58-0007(2) Charts Mr. J.J. Rennilson  
 58-0008(6) Dr. Duntley (Photo Taken from ManHigh 11 Operations)  
 58-0009(2) Copy "Schematic of 3-4-5 Log Photometer Chassis  
 58-0010(2) Dr. Taylor Star Photometer 1 Negative  
 58-0011(3) Dr. Duntley Charts (Foot Lamberts)  
 58-0012(4) Mr. Jim Harris Hook Discriminator 4 slides  
 58-0013(1) Dr. Ballard of An Award from the Vision Committee No Neg.,  
 58-0014(2) Copy of Form Discrimination Model Dr. Duntley  
 58-0015(2) Star Photometer Dr. Taylor No Negative  
 58-0016(1) Charts Mr. J.J. Rennilson No Negatives  
 58-0017(8) Charts Mr. Tyler (Radiance Data April 1957)  
 58-0018(1) Charts Mr. Tyler  
 58-0019(1) Dr. Duntley (Dr. Simmons)  
 58-0020(1) Recognizer Dr. Duntley  
 58-0021(1) Ozalid Marita Campbell at the Machine (Mr. Jim Harris)  
 58-0022(3) Splash Detector on Beach Location  
 58-0023(1) Chart Mr. Tyler (Relative Radiance) 1 slide ("Air and Water)  
 58-0024(6) Charts for Dr. Duntley (Speech at Point Mugu 2 of these slides  
 were used for the speech May 8 1958 at La Jolla 6 slides  
 58-0025(2) Hook Lab & Display of Equipment (Vis Lab Report) Jim Harris  
 58-0026(7) Charts Radiance Distribution Lake Pond Oreilla Mr. Tyler April  
 58-0027(12) Dr. Duntley  
 Charts Illumination These Charts to be used in report  
 58-0028(24) Dr. Taylor  
 Prints taken from a Roll of 35mm Speech  
 58-0029( ) Mr. Jim Harris Bob Sandberg at the Wheel  
 58-0030(1) Mr. Jim Harris Target (Triangle Target) Circle Target)  
 58-0031 Dr. Duntley No Negatives  
 58-0032(7) Mr. Boileau Spectra Spot Photometer Balloon Ascension  
 58-0033(3) Dr. Duntley Mr. Otto Windson Pertaining to Special Instrument  
 Sun High lll  
 58-0034(25) Dr. Duntley Water Clarity Meter (These were in two Envelopes)  
 58-0035(1) Dr. Taylor Chart Calibration Curve of Spot Photometer



1957  
~~1959~~

NEGATIVE FILE

57-0045 (1-6) Mr. Al Boileau  
Slides of Charts to be used in Class work 6 slides  
57-0046 (1-5) Mr. Al Boileau  
Slides of Charts to be used in Class work 5 slides  
57-0047 Dr. Duntley 57-0047 (A) Destroyer Paint Scheme  
Mrs. Jackie Gordon 57-0047(B) Destroyer Paint Detections  
57-0048 (1-3) Jim Harris made to take to Washington D.C.  
57-0049 (1-7) Jim Harris Chart Luminance Sept 23/57  
57-0050 (1-3) Mr. Tyler Charts on Equations 3 slides  
57-0051 (1-6) Charts Dr. Duntley slide made October 4 (6 slides)  
57-0052 (1) Dr. Duntley Missile material 1 slide Missile meter material  
57-0053 (1-4) Mr. Tyler Charts on Radiance Profile 4 slides  
57-0054 (1-7) Dr. Duntley & Mr. Silvernail 7 slides  
Charts (Optical Conference)  
57-0055 (1-2) Dr. Preisendorfer  
Charts for the Optical Conference 2 slides  
57-0056 (1-3) Belt Scanner Jim Harris  
57-0057 (1-12) Dr. Duntley  
Charts slides were made 12 slides  
57-0058 (1-2) Jim Harris & Dick Ensminger  
Photo of Checkerboard dual Scanner Monthly Report  
57-0059 (1-3) Exploded View of Checkerboard Scanner Jim Harris  
57-0060 (1-7) Dr. Preisendorfer Charts made into slides 7 slides  
57-0061 (1-2) Dr. Preisendorfer Article  
"Towards Flight without "Stress or Strain  
57-0062 (1) Mrs. Jackie Gordon  
Destroyer front and Rear View of Model  
57-0063 (1-5) Jim Harris  
Electronics Schematics for the Hook Project  
57-0064 (1-10) Dr. Duntley  
Diamond Island Photos taken 1955  
57-0065 (1-2) Mr. Tyler & Mr. Richardson Photo Cell Cover  
Flat Plate Collector  
57-0066 (1) Mr. Tyler Pass Port



1957

NEGATIVE FILE

57-0023 (1-4) Mr. Tyler  
Underwater Photometer March 8 1957

57-0024 (1-2) Dr. Taylor  
Pertaining to machine work on the Sun Dial

57-0025 (1) Dr. Preisendorfer  
April 8 1957 Radiative Transfer Processes 1 slide

57-0026 (1-5) Jim Harris  
Data Pike's Peak Area Sept 1956 5 slides

57-0027 (1-4) Dr. Duntley  
Copies of Prints M.F.A.B. 4 slides

57-0028 (1-5) Dr. Duntley  
Pertaining to Missile Data 5 slides

57-0029 (1-4) Jim Harris  
CONFIDENTIAL FILE 4 slides

57-0030 (1-4) Dr. Morris 4 slides

57-0031 (1) Dr. Morris Charts

57-0032 (1-6) Mr. Cardoza  
Charts (Tube Characteristics Curves )

57-0033 (1) Pat Garret Triangle

57-0034 (1-7) Dr. John Talling at La Jolla  
June 8/57 Filters 7  
June 18/57 Filters 8

57-0035 (1) Mrs. Jackie Gordon Sunphotometer

57-0036 Missile Meter Dr. Duntley  
Negative taken on the Florida trip all negatives  
are in Dr. Duntley's Files Trip from March Thru May 1957

57-0037 (1) Mr. Tyler  
Kodachrome Copies to B & W 4 X 5 Negatives  
Prints used for the monthly reports

57-0038 (1) Al Boileau Slides made of this Negative

57-0039 (1-4) Al Boileau  
Linear 6 Log Rule Foot Lamberts  
trailer Sun Photo Rule also  
Trailer Sun Photo Scale 55-00324 (14)  
Rule 56-0048 6 slides

57-0040 (1-8) Al Boileau  
Slides used in class work 8 slides

57-0041 (1) Mr. Tyler  
Slides on Equations A New Negative made

57-0042 (1-10\* Al Boileau  
These were used for class work 10 slides

57-0043 (1-13) Dr. Duntley  
Underwater Transsiometer In Shore Survey

57-0044 (1) Mr. Boileau  
A New Photo of the Y Meter with Removable Cap  
also 55-223



1957

NEGATIVE FILE

57-0001 (1-2) Missile Photometer (use to Measure Sun)  
Dr. Duntley Photo taken Jan 2 1957

57-0002 (1-5) Dr. Duntley Bull Pup Project Transferred to 61-0051

57-0003 (1) Jay Rennilson Optical Ray Tracing Chart (Article)

57-0004 Radiance & Scattering Function (13 Slides Charts)

57-0005 (1-8) Dr. Duntley  
B-29 1957 Crew Members

57-0006 (1) Diffuse Sphere Collector (Mr. Tyler) 1 Slide

57-0007 % Scattering Sphere (Mr. Tyler) 1 Slide

57-0008 Nepelometer (Mr. Tyler) 1 Slide

57-0009 % Scattering Sphere (Mr. Tyler) 1 Slide

57-0010 Ratio Meter (Mr. Tyler) 1 Slide

57-0011 Sky Scanner (Dave Hooton)  
to be used in Conjunction with Trailer

57-0012 (1-2) Article for Al Boileau  
Thermometer Indicating Resistance  
Section III Preparation for use and reshipment

57-0013 (1-4) George Tate  
High Voltage Regulated Power Supply

57-0014 (1) Captain Barron  
Airplane a slight accident in Landing

57-0015 (1-15) Dr. Duntley Speech 15 Slides Transferred 61-0051

57-0016 (1-7) Mr. Tyler  
Underwater Photometer first test in the New Tank  
Negatives 1,2,3, used 3 Slides

57-0017 (1-5) Mr. Al Boileau  
Spot Meter Negative 1 and 2 used

57-0018 (1) Mr. Pinkham  
Un Photometer for Airplane Taken Feb 20 1957

57-0019 Mr. Tyler  
Pertaining to Instrument Reading 1 Slide

57-0020 (1-2) Dr. R Preisendorfer Feb 27/57  
Foundation Radative Transfer Theory

57-0021 (1) Jackie Gordon No Negative  
Copy of Grid to be used on Gonio Project No Negative

57-0022 (1-2) Dr. Duntley  
Shimmer Meter Misc., Special Equipment



- 1956 -

NEGATIVE FILE

56-0036 Pertaining to Electronic Material of Machine (Fred Rios)  
Two negatives (1-2)

56-0037 #6 Log Photometer (Negatives Mr. Joe Woodside (1-4)

56-0038 Satellite Material for Speech Dr. Duntley to give at  
State College (1-4) 4 slides

56-0039 Cover (Curve for July 1956 S.A.C. Dr. Morris (1-2)

56-0040 "Optical Theory Instrumental Dr. Duntley  
(1-3) Negative Charts

56-0041 Trip on Destroyer Dr. Taylor pictures of airplane Misc., No Neg.,

56-0042 Rus Hutton (Drafting Dep) (1-29) 1,2,3,4,5,6,7 44  
10,11,14,15,16,17,20,21 These are 35mm Neg.,  
Regular 8,9,12,13,22,23,24,25,26 One copy of each  
from the B-29 plane place where the equipment goes  
27,28,29 Negative in this group

56-0043 Mr. Nelson (Copy of Article from the Electronic Design  
(Specifying Toroidal Reactors with graphs (1-2)

56-0044 Snarkel Wake Simulator Photo cell unit (1-8)  
Projector & Electronics Jim Harris

56-0045 Airplane M.R. Installation Plane  
August 16, 1956 (1-7) Negatives

56-0046 Charts Dr. Morris (Plane Targets) (1-17)

56-0047 Mr. Boileau Article from Book which is out of Print

56-0047 32 Negative 8 X 10 Prints made one of each negative

56-0048 M.R. Calibration B-29 Mr. Boileau Airplane  
(1-8) Negative

56-0049 Wave Cap Report Blackboard & Grey Scale  
(1-2) Mr. Rennilson Misc., Special

56-0050 (1-4) Al Boileau in B-29 Airplane

56-0051 (1) Bull Pup Symbol Dr. Duntley Project

56-0052 (1-3) Dr. Ballard (Wave Length and Charts

56-0053 (1-2) Reg. of Vis Lab Car Misc.,

56-0054 (1-10) Trailer Army Gonio Experiment 10.7

56-0055 (1-3) Army Gonio Experiment

56-0056 (1) Optical Society Prints made for Dr. Duntley

56-0057 (1-14) Dr. Duntley Variation De La Brilliance des Lointains Ave La  
Distance Article from Science Et Industries Photographique "1930

56-0058 (1-6) Sun-Plane and Photometer Head Data Charts  
Made at El Captain and San Diego Bay for Mr. Tyler

56-0059 Mr. Tyler (1-12)  
Calculated Path Function Negatives as in 1955 Charts

56-0060 (1) Dr. Duntley & Mr. Tyler Testing Tank on S.F.A. Campus

56-0061 1 (1-6) Scintillation counter Jan 1955 Art Nelson  
2 (1-7) Projective Geometry Nov 1953

56-0062 (1) Dick Ensminger For the Wave Cap Project



1956

NEGATIVE FILE

56-000I Misc.,  
56-0002 (1-2) Underwater T.V. *2H*  
56-0003 Underwater T.V. *2H*  
56-0004 (I) Dr. Ballard T.V. *2H*  
56-0005 (1-2) Underwater Wigwam Scripps Misc.,  
56-0006 (1-4) Charts  
56-0007 (1-2) Misc.,  
56-0008 (1-2) T.V. CONFIDENTIAL  
56-0009 Chart  
56-0010 Sphere Program (New Lights)  
56-0011 Sphere Program S.A.C.  
56-0012 (1-8) Mr. Tyler Charts  
56-0013 Sphere Program S.A.C.  
56-0014(1-6) Line Drawing T.V.  
56-0015(1-7) Air Plane & Trailer Photo Taken on Florida Trip Dr. Duntley  
56-0016(1-7) Copies of Recorder Tape Sample Air Plane and Trailer  
taken on Florida Trip Dr. Duntley  
56-0017 "Optical Properties of Harbor water (Chart)  
56-0018 Target as seen by Observer in the Viewing Tunnel  
56-0019 EAFB Inside of B-29 Dr. Duntley (Air Force Picture (2795)  
56-0020(1-5) Slides for Dr. Duntley (4/2/56 (CONFIDENTIAL)  
56-0021(1-2) Underwater T.V. Simulator Device Retouched from  
(56-0002) Report (1-2) *2H*  
56-0022 Underwater Camera Case for Underwater T.V. Program  
(55-00352) Retouched *2H*  
56-0023(1-3) Underwater Photometer Nepelometer (John Tyler T.V.)  
56-0024(1-13) Chart for Dr. Duntley Speech April 2 1956 in Boston  
56-0025(1-2) Charts Dr. Taylor Conference Slides made April 12-56  
56-0026(1-4) White Cap, Telephotometer, Theophotometer, Theoylite & Instrument  
56-0027(1) White Cap Simulator Unit Screen & Receiver Tube  
56-0028(I) Chart (Slide) made from this Negative (Hook) *2H*  
56-0029(I) Chart (Slide) made from this Negative (Hook) *2H*  
56-0030(1-2) Luminance (Foot Lamberts Jack Bryant 2 Slides  
56-0031 Beta Meter Analysis Mr. Tyler, Mr. Richardson & Commander Walsh  
56-0032(1-2) Trailer over turned on Campus  
56-0033 Chart Light meter Reading to Conversion Chart  
56-0034(I) Copy of Nomograph Jackie Gordon (Chart  
56-0035(1-4) Dr. Duntley Graph 8 X 10 made for Dr. Duntley



1955

NEGATIVE FILE

55-00434	Mr. Tyler Vision 1954-1955	Charts
55-00435	Dr. Duntley M.R. Meter	
55-00436	Sea State	
55-00437	Special Equipment	
55-00438	Special Equipment	
55-00439	Vis Com Table	New London
55-00440	" " "	Submerged Objects
55-00441	" " "	Submerged Objects
55-00442	Underwater Photometer	San Diego Data
55-00443	Mr. Tyler Copy 1-19-53	Charts
55-00444	Ansco Circuit Diagram	



1955

LIST OF NEGATIVES

55-00398(8)	Airplane Calibration Simulator
55-00399(6)	Trailer Gonio Photometer
55-00400	Beta Meter Studio Shot Hydrophotometer
55-00401	Line Drawing High Speed Spectrograph
55-00402	Up-Down Ratio Rig.,
55-00403	Under Photometer Exploded View of Head
55-00404	Trailer-Composite of Instruments for Sept. Report
55-00405	Underwater Photometer turned upside down D.I.
55-00406	John Tyler Slides Neg for Pitts Convention
55-00407	Line Drawing of Harbor Buys for T.V. Program
55-00408(6)	Solar Depression 12" Geometry 90-90-0 <u>CONFIDENTIAL</u>
55-00409	"Photometry at low levels" (Article)
55-00410	Trailer Equipment Outside shots
55-00411	M.R. Aboard Spencer F. Baird (High Sun Trip)
55-00412(1)	Frame # I Dr. Ballard T.V. (Special)
55-00412(1-8)	Inside of B-29
55-00413	Underwater Flare Report (1-4) Envelope with Neg.,
55-00414(1-55)	Photographic Sensitometry (55 Neg., Article)
55-00415(1-10)	Radiation on the transmission of Heat
55-00416(1-7)	Charts Mr. Tyler
55-00417(1-3)	Charts Mr. Tyler
55-00418	Gammeter Negative
55-00419	Negative of Scripps at San Diego
55-00420(1-2)	Fred Pinkham Standing by the trailer
55-00421(1-30)	B-36 Flight (Lower Ships)
55-00422(1-4)	Diamond Island
55-00423(1-18)	Interior & Extension View of Vis Lab
55-00424(1-9)	Sea State Meter
55-00425(1-6)	Diamond Island
55-00426(1-36)	B-36 Flight
55-00427(1-10)	Tank & Soldier Model Set up.
55-00428(1-58)	Neg Article in German
55-00429(1-9)	B-29 Hight Altitude Flight
55-00430(1-35)	B-36 Flight
55-00431(1-9)	B-36 Flight
55-00432(1-9)	Copies (Underwater)
55-00433 (1-36)	B-36 Flight



1955

LIST OF NEGATIVES

55-00366 Copy Line Drawing Thermal Expansion apparatus (S.S. Ballard)  
55-00367 Copy Line Drawing Analog System. Representing the Eye (S.S. Ballard)  
55-00368(1) Trailer Scanner Multiple View  
55-00368(2) " " Side View Showing Cam Microswitch  
55-00368(3) " " Underside View  
55-00368(4) " " Top View Showing Motor  
55-00368(5) " " Side View showing Cam & Microswitch  
55-00368(6) Copy Note on the Scattering of Radiation in an Inhomogenous Medium  
55-00368(7) The Diffraction of Waves by an irregular Refracting medium  
55-00369 Copy Upper Hemis Scanner Rule  
55-00370(1-2) Converted Binocular Cumulator  
55-00371(1-2) Spectrogeograph B-29 Installation  
55-00372 Copy Machine Screw Sizes  
55-00373(1-10) Dr. S.S. Ballard Underwater T.V.  
55-00374 Copy H Meter For-B-29 Tube 244 (7-15-55)  
55-00375 Copy B-29 Telephotometer Scale Chassis #26-7/7/54  
55-00376 Copy Short Path M-R 5-5-55  
55-00377 Copy Long Path M.R.  
55-00378 Copy Trailer Upper Hemisphere Scanner 7-1-55  
55-00379 Exploded View of U N D Photo Head (403 also)  
55-00380 Montage  
55-00381-I Copy Compar of Angular Rates of Change Cos and Cos Optic Density  
Graph  
55-00381-2 Copy Straight line Represents Cos Graph  
55-00381-3 Copy Schematic Diagram of Malus Calibration  
55-00382 El Captain Trip John Tyler Neg. Underwater Photometer  
55-00383 Line Drawing of High Speed Spectrophotometer  
55-00384 Brown Recorder Four Power E & Y Meter  
55-00385 Lower E Calibration Rule (Neg. 1) (Neg. 4) (Neg. 3)  
55-00386 Path Function scales logs #123,5 45,4/ 34,3,23/ 2 12. 1, 12345  
2345, 234 1234, 345 (Neg. 2 )  
55-00387 Proposed Alterations for Bldg., 347 (9/6/55)  
55-00388 Outside Trailer Shots of Equipment, M.R. Y Meter, Scanner Etc  
55-00389(1-8) Inside Trailer Photos  
55-00390(1-2) Trailer Air Conditioning Unit  
55-00391(1-2) Charts For Dr. Duntley  
55-00392 Trailer Sign painter doing Vis Lab sign on the Trailer  
55-00393 Trailer Grpund Gonio Cut a T with white Background  
55-00394 Copy Calibration Rules  
55-00395 Underwater Photometer Line Drawing (Head) Exposed)  
55-00396 Radiance Distribution Boxes John Tyler 9/23/55  
55-00397 Resolving Power Information



1955

LIST OF NEGATIVES

55-00326	Copy " Zeitschrift Fur Physik	1929 (1-5)	(Oct Dec 1929)
55-00327	Copy " " "	1929 (1-6)	(Nov 28 Jan 1929)
55-00328	Copy " " "	1930 (1-6)	(Dec 29 Jan 1930)
55-00329	Copy Sphere Program Report	Mr. Boileau	(1-6)
55-00330	Al's Test Plates		
55-00331	Copy Airline Ticket		
55-00332	Gonio Photometer & Recorder		
55-00333	Copy Drawing Explodes View Underwater Spectrophotometer		
55-00334	Copy Polar Graph		
55-00335	Copy Laws of Eye Movement & Vision		
55-00336	Copy P.S.A. Journal Method of Determine areas of Equidensity in Photos		
55-00337	Copy "Eine Klasse Singular Integralgleichungen	"Hope"	
55-00338	Copy " " " "	"Winer & Hope"	
55-00339	Copy "Schumartzchild-Milne Model of Outer Layer of a Star I "	"Hope"	
55-00340	Copy "Uber Linare Integralgleichungen Mit Positive "Kern-Hope"		
55-00341	Copy On the Schumartzchild-Milne Model of the Outer Layers of a Star II	"Hope"	
55-00342	Copy "Notes on the Temperature Distribution in the Deep Layers of Stellar Atmospheres	"Brownstein	
55-00343	Copy "Integral Equation for Radiative Equilibrium"	Freunduch Hope Wegner	
55-00344	Robit Calibration		
55-00345	B-52 Studio Shot		
55-00346	Copy Polar Graph (Bryant)		
55-00347	Copy "Uber Diffusion und Absorption in Der Sonnenatmosphäre"	K Schwarsch	
55-00348	Copy Drawing Spectrogeograph Periscope Assembly		
55-00349	Copy Drawing of Malus Calibrator		
55-00350	Copy Drawing of Spectrogeograph Scanner Assembly		
55-00351	Copy Polar Graph		
55-00352	Rig for Photographing underwater targets		
55-00353	Copy "Colorimetry Chart		
55-00354	Copy "Trans of Opt Inst., of Leningrad	Vol 6 1931 #57	ppl-20
55-00355	Copy " " " "	Vol 6 1931 #59	ppl-15
55-00356	Copy " " " "	Vol II 1936 #99	pp3-16--43-77
55-00357	Underwater T.V. Program	Trip Shots	
55-00358	Chem-illumination Experiment		
55-00359	Copy "Effect of Collisions On Monochromatic Radiating Equilibrium -Milne		
55-00360	Copy Development Chart		
55-00361	Underwater T.V. Program	TRIP SHOTS 6/25/55	
55-00362	Copy Chart "Declination of Sun & Equation of Time		
55-00363	Lantern Slide Labels		
55-00364	Thermal Expansion Apparatus	Top View (S.S. Ballard)	
55-00365	" " "	Side View	



1955

LIST OF NEGATIVES

55-00308-6	John Tyler	Slides (13)	Neg's)	
55-00308-7	"	"	"	"
55-00308-8	"	"	"	"
55-00308-9	"	"	"	"
55-00308-10	"	"	"	"
55-00308-11	"	"	"	"
55-00308-12	"	"	"	"
55-00308-13	"	"	"	"
55-00309	Storm Damage at Diamond Island	1954	Roll #1	
55-00310	Storm Damage at Diamond Island	1954	Roll #2	
55-00311-1	John Tyler	Copy of Charts for Lantern Slides		
55-00311-2	"	"	"	"
55-00312	Copies taken by John Tyler to Obtain Projected area of B-36			
55-00313-1	Al Boileau	Plate Match B-47	Surface	
55-00313-2	Al Boileau	Plate Matches B-47	Surface	
55-00314(1-9)	Copy Heat Treatment of Cathode Ray Tube Shields			
55-00315	Photograph of Lower Hemisphere liner For 12" Sphere			
55-00316	Diamond Island- Bill Culer	Experimental Gear	Summer 1954	
55-00317	Sphere-Liner for 12" Sphere			
55-00318	Al Boileau	Plate Match		
55-00319	Visibility from Aircraft	For Dr. Duntley Paper fall of 1954		
55-00320	Underwater Test Objects Model			
55-00321	Chart "Luminance Unit Conversion"	(J.H. Taylor)		
55-00322	Copy- Veber	Das Gleichgewicht Der Sonnenatmosphäre	(Scowarchild)	
55-00323	Chart Mr. Tyler	Colorimetry		
55-00324(1)	Installation of M.R. Meter on B-29			
55-00324(2)	"	"	"	"
55-00324(3)	"	"	"	"
55-00324(4)	"	"	"	"
55-00324(5)	"	"	"	"
55-00324(6)	"	"	"	"
55-00324(7)	"	"	"	"
55-00324(8)	"	"	"	"
55-00324(9)	"	"	"	"
55-00324(10)	"	"	"	"
55-00324(11)	"	"	"	"
55-00324(12)	"	"	"	"
55-00324(13)	"	"	"	"
55-00324(14)	"	"	"	"
55-00325	Darkroom Plans			



1955

LIST OF NEGATIVES

55-00298(1) Upper sky Scanner-Taken in Shop-Inside & Out of Inst.,  
55-00298(2)  
55-00298(3)  
55-00298(4)  
55-00298(5)  
55-00298(6)  
55-00298(7)  
55-00298(8)  
55-00299 Rudy's Globe  
55-00300 Copy Radiation through a Foggy Atmosphere by Arthur Shuster  
55-00301(1) K Meter Al Boileau in Photo  
55-00301(2) " " " " "  
55-00301(3) " " " " "  
55-00301(4) " " " " "  
55-00302(1) K Meter in water  
55-00302(2) K Meter in Water  
55-00303(1) Beta Meter  
55-00303(2) " "  
55-00303(3) " "  
55-00304 Lower Sky Scanner Mounted on Plane (Copy)  
55-00305(1) Underwater Photometer in Operation March 1955  
55-00305(2) " " " " "  
55-00305(3)  
55-00305(4)  
55-00305(5)  
55-00305(6)  
55-00305(7)  
55-00305(8)  
55-00305(9)  
55-00305(10)  
55-00305(11)  
55-00306 Copy Srew Thread System From Flexible Shaft Handbook Pp230-231  
55-00307 Copy Lammal Contrast Tables (5 Neg.,)  
55-00308(1) John Tylers slides (13 Neg's)  
55-00308(2) " " " " "  
55-00308(3) " " " " "  
55-00308(4) " " " " "  
55-00308(5) " " " " "



1955

LIST OF NEGATIVES

55-00286	Transmission Densitometer - Close up of Projector Head
55-00287	Transmission Densitometer - Slide Being Projected
55-00288-1	Instrument House on top of Bldg. Photo of Installation
55-00288-2	" " " " "
55-00288-3	" " " " "
55-00288-4	" " " " "
55-00289	Silhouette of B-47 & B 36
55-00290	Dr. Ballard-Report on 1954 Diamond Island Activities
55-00291	Lower Sky Scanner- Airplane Mounting of Lower Sky Scanner
55-00291	" " " " " " " "
55-00292(1)	Instruments on Airplane -35mm Shots of M.R. Y-Meter on Airplane
55-00292(2)	" " " " " " " "
55-00292(3)	" " " " " " " "
55-00292(4)	
55-00292(5)	
55-00292(6)	
55-00292(7)	
55-00292(8)	
55-00292(9)	
55-00292(10)	
55-00292(11)	
55-00292(12)	
55-00292(13)	
55-00292(14)	
55-00293	Boileau-Match of Plates with B-47
55-00294	" " " " "
55-00295	Boileau-Reynolds Wrap & Plate Match with B-47 Plate
55-00296(1)	Coronado Island Trip Underwater Photometer 1953
55-00296(2)	" " " " "
55-00296(3)	" " " " "
55-00296(4)	" " " " "
55-00296(5)	" " " " "
55-00296(6)	" " " " "
55-00296(7)	" " " " "
55-00296(8)	" " " " "
55-00297(1)	Airplane Inside shots of Equipment & Racks 1954
55-00297(2)	" " " " "
55-00297(3)	
55-00297(4)	
55-00297(5)	
55-00297(6)	



1955

LIST OF NEGATIVES

55-00267	M.R. III Cover Removed Showing heating coil and Lens
55-00268	M.R. III View on Mirrors
55-00268	
55-00269	M.R. III Side View of whole Onst.,
55-00270-1	Copy
55-00270-2	"
55-00270-3	"
55-00270-4	"
55-00271	Cloud Formations Cmdr Brown
55-00271	" " " "
55-00272	Hexagonal Patterns Dr. Duntley
55-00273-1	Spectro Photometer with Chassis and Meter
55-00273-2	" " " " "
55-00274	Cathode Sensitivity of Photomultiplier Tubes
55-00275-1	Lower Sky Scanner-Installation on Airplane
55-00275-2	" " " " "
55-00275-3	" " " " "
55-00275-4	" " " " "
55-00275-5	" " " " "
55-00276-1	M.R. Mounted on Airplane
55-00276-2	M.R. " "
55-00276-3	M.R. " "
55-00276-4	M.R. " "
55-00277-1	E Meter Location and Mounting on Airplane
55-00277-2	" " " " "
55-00277-3	" " " " "
55-00278	Y Meter Mounted on Airplane
55-00278	" " "
55-00279	Underwater Flare Flare Rack being lowered in water
55-00280	Underwater Flare Ship Board Shot of Flare Rigging
55-00280	" " " " " "
55-00280	" " " " " "
55-00281	Underwater Flare Ship Board shot of Flare Rigging
55-00281	" " " " " "
55-00281	" " " " " "
55-00282	Underwater Flare Placing Flare in Rack
55-00283	Underwater Flare Brown Recorder Racks
55-00284	Underwater Flare Close up of Flare Rack
55-00284	Underwater Flare Close up of Camera Case
55-00285	Transmission Densitometer Side View



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LIST OF NEGATIVES

55-00260	Copy "One The Angular Distribution of Submarine Daylight on the Total Sub,arine Illumination					
55-00261	Storm Damage at Diamond Island 1954					
55-00261-1	"	"	"	"	"	"
55-00261-2	"	"	"	"	"	"
55-00261-3	"	"	"	"	"	"
55-00261-4	"	"	"	"	"	"
55-00261-5	"	"	"	"	"	"
55-00261-6	"	"	"	"	"	"
55-00261-7	"	"	"	"	"	"
55-00261-8	"	"	"	"	"	"
55-00261-9	"	"	"	"	"	"
55-00261-10	"	"	"	"	"	"
55-00261-11	"	"	"	"	"	"
55-00261-12	"	"	"	"	"	"
55-00261-13	"	"	"	"	"	"
55-00262	Gear in Operation on Tower - (Summer 1954)					
55-00262-1	"	"	"	"	"	"
55-00262-2	"	"	"	"	"	"
55-00262-3	"	"	"	"	"	"
55-00262-4	"	"	"	"	"	"
55-00262-5	"	"	"	"	"	"
55-00262-6	"	"	"	"	"	"
55-00262-7	"	"	"	"	"	"
55-00262-8	"	"	"	"	"	"
55-00262-9	"	"	"	"	"	"
55-00262-10	"	"	"	"	"	"
55-00262-11	"	"	"	"	"	"
55-00262-12	"	"	"	"	"	"
55-00262-13	"	"	"	"	"	"
55-00262-14	"	"	"	"	"	"
55-00262-15	"	"	"	"	"	"
55-00262-16	"	"	"	"	"	"
55-00262-17	"	"	"	"	"	"
55-00262-18	"	"	"	"	"	"
55-00262-19	"	"	"	"	"	"
55-00263-1	Dr. Ballard Lecture in Italy -- Meter Range					
55-00263-2	"	"	"	"	"	"
55-00263-3	"	"	"	"	"	"
55-00263-4	"	"	"	"	"	"
55-00264	M. R. III Close Up of Front Photo Cell					
55-00265	M.R. III Photo Taken in Shop Showing Whole Inst.,					
55-00266	M.R. III Rear View of Photo Cell Unit					



1955

LIST OF NEGATIVES

55-00220	Nomograph
55-00221	Nomograph
55-00222	Copy-Article Title "Scattering Planetary Atmosphere for Fran Oliver
55-00223	Y Meter for Airplane
55-00224	Nephelometer Studio Shot of Unit Head one View showing Baffles
55-00226	Reflex Telephotometer Studio Shot
55-00227	E Meter for Airplane
55-00228	Wind Tunnel Test #I - M.R. For Airplane
55-00229	Movie Studio-Looking at the Instrument Panel Through Glass
55-00230	Movie Studio-Wide Angle View of Control Panel
55-00231	Movie Studio-Shot of Projector and Screen
55-00232	Movie Studio-Lights on Screen (Arrangement)
55-00233	Trailer-side View Showing U.S. Navy on side
55-00234	Sphere-Plastic Beam for Plane Support of B-36
55-00235	Sphere-Plane Mounting for New Spheres showing B-47 and Lights
55-00236	Sphere-Shot Showing Bob Maloney Painting
55-00237	Sphere-Close up $\frac{1}{2}$ of Sphere Showing how they are laid out for Painting
55-00238	Sphere-Model of B-47 Showing The Stand and How we Obtain Models for Program
55-00239	Sphere-Xmas Tree Ball in Place for Measuring Intergating Effects
55-00240	Sphere-Camera and Mount in Place in a Sphere Hole
55-00241	Sphere-Shot of all the Spheres Line in a Row
55-00242	Sphere
55-00243	Sphere
55-00244	Sphere
55-00245	Sphere Open to Show Model in Place with Power Unit Attached
55-00246	Sphere
55-00247	Sphere
55-00248	Sphere Night Sky Open View
55-00249	Sphere in Closed position with Camera in Place
55-00250	Photograph of Large Grey Scale for Areial Job
55-00251	Underwater Photometer 1953 Cmdr. Brown
55-00252	Underwater Photometer Cmdr Brown 1954 (April 12 1954)
55-00253	Underwater Trombone Cmd Brown 4/12/54
55-00254	Underwater Gear Cmd Brown 4/12/54
55-00255	Underwater Trombone Cmd Brown 4/12/54
55-00256	Underwater Photometer 1953
55-00257	B-36 Information Observer in 157 $\frac{1}{2}$ (Filed in Safe) <u>CONFIDENTIAL</u>
55-00258	Hook Lense Testing Apparatus
55-00259	Copy Journal Marine Research 1941 "The Angular Distribution of Characteristic Diffuse Light



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LIST OF NEGATIVES

55-00184	Chart Comparison of Spectral Sensitivities of Photometer
55-00185	Cover for High Sun Photographs
55-00186	Comdr Brown's Submarine Photometer Close Up of Disk
55-00187	Comdr Brown's Submarine Photometer Over all View
55-00188	Comdr Brown's Submarine Photometer over all View
55-00189	Copy Journal of Marine Research 1937 Fig 27
55-00190	Copy " " " " Fig 28
55-00191	Copy " " " " Fig 29
55-00192	Chart
55-00193	Chart Copy
55-00194	Copy Sept Electronics 1953 Page 192
55-00194	Copy " " " Page 193
55-00194	Copy " " " Page 194
55-00194	Copy " " " Page 194
55-00195	Bureau of Standards- Lens Resolution Charts
55-00196	Chart Nomograph
55-00197	D. I. Group Photograph of 1953 Personnel
55-00198	D.I. Pinkham with T Light Unit
55-00199	D.I. Pinkham with T Light Unit
55-00200	D.I. Pinkham with T Light Unit
55-00201	Spectrogeograph-Close up of Measuring Device for Spectrum
55-00202	Spectrogeograph Front View with I D Camera
55-00203	Spectrogeograph Side View with Recoding units on Stand
55-00204	Spectrogeograph View Showing Cardboard damper used to show Down Action of Scanner
55-00205	Spectrogeograph Line Drawing
55-00206	Spectrogeograph Shot with Instruments connected and on separate tables
55-00207	Spectrogeograph Close up of early Scanning Device with Cardboard for Down Action
55-00208	B-36 Blue Prints - Copy
55-00208	B-36 Blue Prints - Copy
55-00209	Copy-Line Drawing side View of B 29
55-00210	Copy B-29 Showing Placement of gear in airplane
55-00211	Copy Line Drawing of M.R. Meter for Airplane
55-00212	Copy Line Drawing of Nephelometer For Airplane
55-00213	Copy Line Drawing of Motion Picture Studio
55-00214	Copy Line Drawing of Light Box
55-00215	Copy Line Drawing of Michigan set up
55-00216	Copy Chart of Field Operations
55-00217	Copy Chart of Military Calculation Panel
55-00218	Copy of Chart Program of Vis Lab
55-00219	Copy Organization Chart Basic Research Panel



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LIST OF NEGATIVES

55-00145	Machine Shop Bench Side 8/53
55-00146	Transmission Densitometer-Close up of Project Head
55-00147	Transmission Densitometer Showing Grey Scale Projected
55-00148	Electronics Lab 8/53
55-00149	Electronics Lab 8/53
55-00150	Chart
55-00151	Chart
55-00152	Chart
55-00153	Chart
55-00154	Chart
55-00155	Chart
55-00156	Underwater Barge - Copy Negative Background Retouched
55-00157	Tower At D.I.
55-00158	Tower at D.I. Side View
55-00159	Tower at D.I.
55-00160	Sea State Meter in Operation
55-00161	Sea State Meter in operatopm Showing Tower Floats
55-00162	Sea State Meter Control Panel
55-00163	Sea State Meter Close Up in Water
55-00164	Sea State Meter in Operation
55-00165	Sea State Meter Front View of Control Panel
55-00166	Tower a D.I. Close up of Electronics Bldg.,
55-00167	M.R. II at D.I.
55-00168	M.R. II at D.I.
55-00169	M.R. II Brown Recorder Unit for M.R. II
55-00170	Tower at D.I. with Glass Bottom Boat in use
55-00171	M.R. II D.I.
55-00172	M.R. II at D.I. General View Showing Recording Cabinet
55-00173	M.R. II at D.I. " " " " "
55-00174	M.R. II at D.I. " " " " "
55-00175	M.R. II at D.I. Close Up
55-00176	M.R. II at D.I. High View Looking Down on M.R. II
55-00177	M.R. II at D. I. Close View M.R. Recording Cabinet
55-00178	M.R. II at D.I. General View Showing Recording Cabinet
55-00179	Tower at D.I. Showing Elec., Bldg.,
55-00180	Underwater Photometer Head Close Up Head Only
55-00181	Spectrogeograph Black Diagram
55-00182	Chart Summary of Gulf of Maine and Woods Hole Series
55-00183	Chart Summary of 1931 Observation



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LIST OF NEGATIVES

55-00118	Charts made for Mr. Tyler 4/2/53		
55-00119A	Slide Negative of 1948 Results Drawing By Stuart Brown		
55-00119B			
55-00119C			
55-00119D			
55-00119E			
55-00119F			
55-00119G			
55-00119H			
55-00119I			
55-00119J			
55-00120	Chart	Decimal Equivalents of one Inch	
55-00121	Chart	Screw Hole Sizes	
55-00122	Chart	Sea State Meter D.C. Amplifier	
55-00123	Chart	Three Log Density and Contrast Scale	
55-00124	Chart	Mark I Mod 11 Amplifier	
55-00125	Chart	Regulated High Volt Power Supply	
55-00126	Chart	Regulated Power Supply	
55-00127	Chart		
55-00128	Chart		
55-00129	Chart		
55-00130	Chart	No Negative	
55-00131	Chart	Underwater Pattern Distribution	
55-00132	Y Meter	- Close Up 8/53	
55-00133	Y Meter	John Hood in Photograph 8/53	
55-00134	Four Log Photometer Chassis	-- Front View	
55-00135	Four Log Photometer Chassis	Top View	
55-00136	Four Log Photometer Chassis	Bottom View	
55-00137	Underwater Photometer Panel	360 Dial	
55-00138	Sphere	Half Open with Al Boileau in Photograph	
55-00139	Sphere	Close up of Half Sphere Showing Plane Suspension	
55-00140	Sphere	Uncompleted Mr. Boileau Holding Plane	
55-00141-1	Vapor Trails	Made for Comdr Brown	
55-00141-2			
55-00141-3			
55-00141-4			
55-00142	Machine Shop	Machinery Side	8/53
55-00143	Machine Shop	Machinery Side	8/53
55-00144	Machine Shop	Bench Side	8/53



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LIST OF NEGATIVES

55-00079	M.R.I
55-00080	Dark Room at D.I. (Copy)
55-00081	Sea State Meter Close up of Water Surface (Copy)
55-00082	Office Bldg., at D.I. (Copy)
55-00083	Sky State Meter Full View
55-00084	Landing Sea State Meter & Underwater Photometer on Track
55-00085	Copy of Aerial View of Submerged Sub
55-00086	Chart Program of The Visibility Lab
55-00087	Chart Complete Breakdown of Program of Vis Lab
55-00088	Chart Shows Flow of Authority
55-00089	Chart
55-00090	Chart
55-00091	Chart
55-00092	Chart
55-00093	Chart Luminance
55-00094	Copy of Print sent to Dr. Blackwell of Plane Black Bank
55-00095	Photograph of the Trailer
55-00096	Sky State Meter with Hut On
55-00097	Plane in Sphere close up showing
55-00098	Hulburth Sky on Rubber Balls (Millie in Photo)
55-00099	" " " " " "
55-00100	Spectrograph
55-00101	Underwater Photometer Control Panel
55-00102	Charts
55-00103	Chart
55-00104	Chart
55-00105	Special Equipment
55-00106	Chart from Vision Through The Atmosphere
55-00107	" " " " " "
55-00108	" " " " " "
55-00109	" " " " " "
55-00110	Charts made for Mr. Tyler 4/2/53
55-00111	" " " " "
55-00112	" " " " "
55-00113	" " " " "
55-00114	" " " " "
55-00115	" " " " "
55-00116	" " " " "
55-00117	" " " " "



1955

LIST OF NEGATIVES

55-00040	Construction Operations at D.I. Drilling from Dredge
55-00041	Construction Operations at D.I. Top View of Dredge
55-00042	Construction Operations at D.I.
55-00043	Construction Operations at D.I. Blasting of Lagoon
55-00044	Construction Operations at D.I. Lagoon
55-00045	Tower Construction at D.I. Upper Platform in Place
55-00046	Tower Construction at D.I. Upper Platform in Place
55-00047	Tower Construction at D.I. Upright poles only
55-00048	Tower in Winter Showing Sky State, Sea State & Photometer
55-00049	Tower Shows frame of upper Crows nest
55-00050	Complete Tower View From Shore
55-00051	Complete Tower View From Shore
55-00052	D.I. Personnel
55-00053	D.I. Personnel
55-00054	D.I. Personnel
55-00055	Boats at Steel Pier -Ames-
55-00056	D.I. Machine Shop
55-00057	D.I. Laboratory
55-00058	Boats at Wharf D.I.
55-00059	Diamond Island from Shore Shows some of the Bldgs.,
55-00060	Office Bldg., at D.I.
55-00061	Boat at Steel Pier -, Ames
55-00062	Lagoon Looking down from Tower
55-00063	Lagoon Looking Down From Tower
55-00064	Lake & Boats From Speedboat
55-00065	Boats at Steel Pier Ames
55-00066	Barge under Tow D I
55-00067	Glass Bottom Boat Showing Scales (1958 (No Negative)
55-00068	Water Temp/ Thermometer D.I.
55-00069	Photometer Track at D.I.
55-00070	Photometer Track at D.I. Under Construction
55-00071	Sun Patch on Water
55-00072	Sun Patch on Water
55-00073	Copy of Retouched Photo of Underwater Photometer Cervial
55-00074	Sea State Meter Hanging from Tower at D. I.
55-00075	M.R. 111 Taken by garage in Driveway
55-00076	Sea State Meter Studio Shots
55-00077	Sky State Meter H. Ball
55-00078	Tower at D. I. with Lagoon in Foreground



1955

LIST OF NEGATIVES

55-00001	Sea State Meter (1952)	Angle View Shows recording Drawer
55-00002	Sea State Meter (1952)	Control Panel close up-azimuth Dial
55-00003	Sea State Meter (1952)	Rear Control Panel
55-00004	Sea State Meter (1952)	Front of Control Panel
55-00005	Sea State Meter (1951)	Electrode Frame & Control Panel
55-00006	Sea State Meter (1951)	Electrode Frame & Control Panel Drawer open
55-00007	Sea State Meter (1951)	Electrode Construction
55-00008	Sea State Meter (1951)	In Operation from tower at D.I.
55-00009	Sea State Meter (1951)	In Operation from tower at D.I.
55-00010	Sea State Meter (1951)	Two Anemometers in use
55-00011	Sea State Meter ( )	Control Panel
55-00012	Sea State Meter	Two Connections of Electrodes
55-00013	Sea State Meter	Electrode-N.A. Finkelstein at D.I.
55-00014	Underwater Photometer	Only Head
55-00015	Underwater Photometer (1951)	Control Panel & Recorder
55-00016	Underwater Photometer (1951)	Copy Index to give Azimuth
55-00017	Underwater Photometer (1951)	Copy in S.D. Harbor
55-00018	Underwater Photometer (1951)	Copy Show unit and all in S.D. Harbor
55-00019	Underwater Photometer (1951)	Copy Underside of raft shown Photometer Mechanism
55-00020	Underwater Photometer (1951)	Copy Close up of Head shows tubes
55-00021	Underwater Photometer (1951)	Retouched to rename takes
55-00022	Sky State Meter	Globe being painted
55-00023	Sky State Meter	Globe being painted
55-00024	Sky State Meter	Globe Removed
55-00025	Sky State Meter	Close up showing Photo Cell & Housing
55-00026	Sky State Meter	Shows Globe
55-00027	M.R. II	Optical Arrangement only
55-00028	M.R. II	Back of Control Panel
55-00029	M.R. II	Control Panel & Recorder
55-00030	M.R. II	Optical arrangement & Control Panel
55-00031	Photometer Chassis	Template for Top of Chassis
55-00032	Photometer Chassis	Underside View
55-00033	Photometer Chassis	Side View
55-00034	Photometer Chassis	Underside View
55-00035	Photometer Chassis	Top View Component Layout
55-00036	Construction Operations at D.I.	Dredge along shore
55-00037	Construction Operations at D. I.	Dredge under tow
55-00038	Constructionn Operation at D. I.	Dredge under tow
55-00039	Construction Operations at D. I.	Drilling from Dredge