

SLIDES

VISIBILITY PHOTO LAB

SLIDES 1964

| | | |
|---------|---|------------------|
| 8/18/64 | 64-0064 Dr. Duntley (Charts Lasser Lamp Diamond Island | 1126 4 Slides |
| 9/15/64 | 64-0068 Dr. Taylor Temp and Hydrological Vs Depth Chart | 1 Slide |
| 9/24/64 | 64-0061 Dr. Duntley Gemini Project In-Flight Photometer & Vision Testor | 2 Slides 1133 |

SLIDES 1964

| | | |
|---------|--|--------------------|
| 2/14/64 | JIM HARRIS 64-0004 Sea State (CONFIDENTIAL) | 1040 A Slides ✓ |
| 2/17/64 | Mr. Tyler 64-0005 Charts Pacific Coastal Waters | 4 Slides |
| 3/13/64 | Jim Harris 64-0015 Radar Van Classification V.T.C. | 2 Slides |
| 4/20/64 | Dr. Taylor Project Gemini 64-0020 Vision Tester | 2 Slides |
| 4/22/64 | Mrs. Jackie Gordon - 19-20-26-4-21-18-10-11-12-13 Also Negative Seven used from Jackie report also 2 Negatives made and one of the Pod on Plane at N.O.T.S. China Lake and one of 62-0046 | 36 Slides |
| 4/22/64 | 63-0060-62-0057 For the Conference April 27 Mr. Al Boileau 63-0025 | 9 Slides |
| 4/22/64 | 64-0014-15 Mr. Jim Harris For the Conference | 1 Slide |
| 5/1/64 | 63-0068 Mr. Tyler (Two Negatives were remade) | 3 Slides |
| 7/17/64 | 64-0053 Mr. Jim Harris Radi | 6 Slides |
| 7/20/64 | 64-0044 Mrs. Jackie Gordon Air Force (conference) | 12 Slides |
| 7/23/64 | 64-0054 Dr. Taylor Gemini Project | 9 Slides 84 |

SLIDES 1963

| | | | |
|----------|--|---------|-------------------|
| 10/8/63 | Dr. Duntley Charts | 63-0054 | 1023 3 Slides |
| 11/1/63 | Mr. Al Boileau Charts (Speech) also a Slide of 63-0060) from the (C-130 File) | 63-0061 | 4 Slides |
| 11/14/63 | Dr. John Taylor 58-0023-58-0051-59-0007-59-0038 60-0011-61-0056 63-0063 Diagram of Vertical Section of Typical Teleost Eye | | 1040 10 Slides |

SLIDES 1963

| | | | |
|---------|---------|--|----------|
| | | | 942 |
| 2/4/63 | 63-0004 | Dr. Taylor (Target) | 1 Slide |
| 2/6/63 | 63-0005 | Dr. Duntley Charts | 9 Slides |
| 2/26/63 | 63-0010 | Mr. Jim Harris Radi | 1 Slide |
| 3/8/63 | 63-0019 | Mr. Jim Harris (Special Equipment | 1 Slide |
| 3/14/63 | 63-0017 | Dr. Duntley & Dr. Taylor (Vision) | 1 Slide |
| 6/11/63 | 63-0030 | Mr. Tyler Charts Special 22 | 2 Slides |
| 6/27/63 | 63-0031 | Mr. Jim Harris Washington D.C. May 1963 (63-0031 35mm & Regular Negatives (61-0013 4-12-13-14-15-16(g) 28-5-6-17 150 Slides (60-0045(a) 60-0036(7) 63-0005 55-00324 (60-0028(2) (60-0028(1) 63-0019 (62-0027(6) (61-0068(I) 61-0036 | |
| 5/10/63 | 62-0036 | Mr. Tyler Series of Slides made from Special No. 16 | 5 Slides |
| 6/20/63 | 63-0037 | Optics Electronics | 1 Slide |
| 8/22/63 | 63-0050 | Dr. Duntley Chart also 60-0027 Chart | 2 Slides |
| 8/27/63 | 63-0031 | (35mm) 61-0068-63-0031-61-0013(1) 61-0013(28) 61-0013(a) 61-0013(4) 60-0036(6)-60-0036(4) 63-0005(I) 63-0005(2) 62-0027 63-0019-61-0036 61-0068 55-00324(14) 63-0046 Slides for Talk (503) Prints for Reference were made | 8 Slides |

1962

SLIDES

| | | | |
|----------|-------------|--|-----------------|
| 1/18/62 | 62-0003(5) | Mr. Jim Harris Negatives 61-0020 and 61-0042 were also used for the Denver trip | 9 Slides |
| 3/28/62 | 62-0019(6) | Mr. Jim Harris & Richard Ensminger V.T.C. Program | 6 Slides |
| 3/28/62 | 62-0016(1) | Dr. Duntley Model of Tower for Diamond Island | 1 Slide |
| 3/29/62 | 62-0017(2) | Dr. Duntley The Divers | 2 Slides 18 |
| 4/9/62 | 62-0020(15) | Mr. Jim Harris Chart (CONFIDENTIAL) | 16 Slides 34 |
| 4/11/62 | 62-0021() | Mrs. Jackie Gordon 61-0025-61-0053-59-0013-58-0036-56-0054 Tanks from 35mm have been put on Sheet of Film in 61-0021 (CONFIDENTIAL) | 31 Slides 65 |
| 4/11/62 | 62-0022() | Mr. Al Boileau Charts for The Symposium | 16 Slides |
| 4/12/62 | 62-0023(13) | Mr. Hadley Richardson Charts for Symposium | 13 Slides |
| 4/12/62 | 62-0024(1) | Dr. John Taylor Charts for Symposium | 1 Slide 95 |
| 5/3/62 | 62-0027(1) | Mr. Jim Harris Chart to be used at a talk in L.A. 5/4/62 | 1 Slide |
| 6/6/62 | 62-0032(1) | Mr. John Tyler A Drawing of an Aquarium | 1 Slide 97 |
| 8/30/62 | 61-0013 | Mr. Jim Harris Radi (Special) Washington | 3 Slides |
| 10/29/62 | 62-0054 | Mr. Al Boileau Charts (Speech) | 7 Slides 107 |

842

1961

SLIDES

| | | | |
|----------|---------|--|------------------|
| 9/13/61 | 61-0043 | Mr. Al Boileau Charts | 123 7 Slides |
| 9/18/61 | 61-0044 | Mr. Tyler Charts | 11 Slides |
| 9/29/61 | 61-0046 | Mr. Al Boileau Charts | 4 Slides |
| 10/2/61 | 61-0047 | Dr. Duntley Special Equipment | 8 Slides |
| 10/10/61 | 61-0049 | Mr. Tyler The Tank | 1 Slide |
| 10/13/61 | 61-0050 | Dr. Duntley Charts Speech (Optical Society) | 24 Slides |
| 10/18/61 | 61-0036 | Mr. Al Boileau (C 130)(Airplane with Equipment Aboard) | 1 Slide |
| 10/20/61 | 61-0051 | Dr. Duntley Charts & Tank (Speech)(<u>CONFIDENTIAL</u>) | 11 Slides |
| 10/24/61 | 61-0052 | Mr. Jim Harris (Aircraft Carrier) Dr. Duntley Washington (Film Strip & Chart) 3 Negatives in Jim Harris (<u>CONFIDENTIAL FILE</u>) | 21 Slides |
| 10/10/61 | 61-0056 | Mr. Tyler Charts also 59-0038 61-0003 for National Science Foundation | 15 Slides |
| 10/27/61 | 61-0068 | Mr. Jim Harris Charts Radi (1 Envelope used in Special) | 12 Slides 238 |

1961

SLIDES

| | | | |
|---------|-------------|--|------------------|
| 3/2/61 | 60-0052 | Dr. Duntley Charts | 5 Slides |
| 3/8/61 | 61-0005 | Mr. J.J. Rennilson also Negatives from the report 60-0016 (60-0005) (60-0061) | 2 Slides |
| 3/21/61 | 61-0011 | Dr. Duntley Horizontal Intersection of Detection Lobe with Target Space at 500 Ft Altitude | 2 Slides |
| 3/22/61 | 61-0012 | Dr. Taylor Charts Washington March 27 1961 | 4 Slides |
| 3/22/61 | 61-0013 | Mr. Jim Harris Prints & Slides Washington | 45 Slides |
| 4/7/61 | 61-0023 | Dr. Duntley Charts for Speech Monday April 10 1961 | 9 Slides |
| 4/13/61 | 61-0024 | Radi Project | 4 Slides |
| 4/19/61 | 61-0026 | Mr. Al Boileau Charts | 11 Slides |
| 4/20/61 | 61-0027 | Dr. Taylor (Conference 4/24/26/61 | 2 Slides |
| 4/21/61 | 61-0028 | Mrs. Jackie Gordon Chart & 61-0021 | 2 Slides |
| 4/24/61 | 60-0036 | Mr. Austin Slides used for Conference | 1 Slide 87 |
| 5/24/61 | 60-0030(6) | Mr. Al Boileau Negatives in 61-0021 Charts | 6 Slides |
| 6/5/61 | 61-0031(5) | Mr. Al Boileau Charts also 60-0050 E Meter Cap | 6 Slides |
| 7/3/61 | 61-0036(1) | Mr. Al Noileau (C 130 Airplane with all the Equipment) | 1 Slide 100 |
| 7/7/61 | 61-0040(23) | Mr. Jim Harris Charts | 23 Slides 125 |

1960

SLIDES

| | | | |
|----------|---------|--|-----------|
| 1/13/60 | 60-0002 | Mr. Al Boileau Optic Efficiency | 1 Slide |
| 1/13/60 | 58-0014 | Dr. Duntley Form Discrimination | 2 Slides |
| 3/7/60 | 60-0011 | Mr. Tyler Charts | 6 Slides |
| 3/11/60 | 60-0012 | Mr. Tyler Charts | 3 Slides |
| 3/21/60 | 60-0014 | Mr. Tyler Underwater Nepelometer | 4 Slides |
| 3/30/60 | 60-0017 | Dr. Duntley Divers | 3 Slides |
| 4/19/60 | 60-0020 | Mr. Tyler Charts | 5 Slides |
| 6/15/60 | 60-0017 | Dr. Duntley Divers | 3 Slides |
| 6/30/60 | 60-0015 | Dr. Taylor Article | 10 Slides |
| 6/30/60 | 60-0033 | John Hood Painted Model (Ships) | 1 Slide |
| 7/26/60 | 60-0040 | Dr. Preisendorrier Charts | 5 Slides |
| 8/29/60 | 60-0042 | Mr. Al Boileau Charts | 8 Slides |
| 9/30/60 | 60-0042 | Mr. Al Boileau Charts | 1 Slide |
| 12/21/60 | 60-0061 | Mr. J.J. Rennilson also Neg., used No. 60-0005 60-0013 60-0030 | 21 Slides |

TOTAL 73
SLIDES

497 Total

1959

SLIDES

| | | | |
|----------|-------------|--|------------------|
| 1/5/59 | 59-0001 | Mr. Tyler Oceanographic Material Copies were made from Russian Paper | 361 10 Slides |
| 1/23/59 | 59-0007 | Mr. Tyler Charts made a positive Ozalid | 4 Slides |
| 1/28/59 | 59-0009 | Mr. Tyler Telephotometer | 2 Slides |
| 3/18/59 | 59-0016 | Dr. Preisendorfer Charts | 2 Slides |
| 3/24/59 | 59-0018 | Jim Harris Visual Research | 12 Slides |
| 4/6/59 | 59-0019 | Mr. Ed. Martz Charts | 3 Slides |
| 5/8/59 | 59-0022(13) | Mr. Al Boileau Charts for Speech | 13 Slides |
| 7/8/59 | 59-0025(7) | Mr. Ed. Martz Graph for Speech | 7 Slides |
| 7/24/59 | 59-0027(1) | Mr. Ed. Martz Charts for Speech | 1 Slide |
| 9/21/59 | 59-0032(2) | Dr. Duntley Charts (Targets) | 2 Slides |
| 9/28/59 | 59-0035(4) | Dr. Preisendorfer Charts | 4 Slides |
| 11/13/59 | 59-0044(3) | Mr. Ed. Martz Charts Light | 3 Slides |

TOTAL SLIDES PRINTED IN 1959

63

424

1958

SLIDES

| | | |
|----------------------------|---|---|
| 10/2/58 | Dr. Duntley 58-0027 Charts | 335 1 slide |
| 10/2/58 | Dr. Duntley 58-0034 Water Clariety Meter | 6 slides |
| 10/2/58 | Dr. Preisendorfer Charts for conference 58-0048 (4) | 4 slides |
| 11/9/58 | Dr. Ballard Special Slides 55-00263 Tiffany Graphs 55-00305 Scripps Trip | 6 slides 55-00324 (Airplanes) 55-00400 Hydro Photometer |
| 10/8/58 | Mr. Mulligan From Scripps 55-00361 55-00410 56-0032 56-0054 | 4 slides |
| 10/12/58 | Mr. Richardson & Mr. Tyler 57-0065 Photo Cell Cover | 1 slide |
| 12/1/58 | Mr. Tyler 57-0051 58-0049 2 slides of each negative 2 to be mailed to Dr. Ballard | 4 slides |
| TOTAL SLIDES PRINT 1958 -- | | 16 76 361 |

1958

| | | | |
|---------|--------------|--|-----------------|
| 2/28/58 | 58-0008(6) | Dr. Duntley (Copies of Photos Taken from Operation ManHigh II (1957) | 285 6 Slides |
| 3/6/58 | 57-0017(1) | Dr. Duntley A Slide made of this 1957 Negative | 1 Slide |
| 3/12/58 | 58-0011(1-3) | Dr. Duntley Major Simmons Charts (Foot Lamberts) | 3 Slides |
| 3/12/58 | 58-0012(1-4) | Jim Harris Hook Discriminator | 4 Slides |
| 3/14/58 | 58-0013(1) | Dr. Ballard A Copy of An Award from the Vision Committee Gave this Negative to Dr. Ballard | 1 Slide |
| 4/23/58 | 58-0023(I) | Mr. Tyler Chart (Relative Radiance Air & Water) | 1 Slide |
| 5/2/58 | 58-0024(6) | Dr. Duntley Charts for Speech May 5 1958 Point Mugu 2 were used for the Speech at La Jolla | 6 Slides |
| 5/8/58 | 58-0037(4) | Mr. Tyler Underwater Photometer Lake Pond Oreilla | 4 Slides |
| 5/19/58 | 58-0026(7) | Mr. Tyler Radiance Distribution Lake Pond Oreilla | 7 Slides |
| 5/26/58 | 58-0038(1-5) | Dr. Duntley Charts | 5 Slides |
| | | 58-0034 (1-5) 58-0022(I) | 6 Slides |
| 8/30/58 | 58-0032(6) | Dr. Duntley Spectra Spot Photometer MANHIGH III | 6 Slides 50 |

SLIDES

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|----------|--------|---|-----------|
| 9/4/57 | (1-5) | 57-0046 Mr. Al Boileau Slides to be sued at class work | 5 slides |
| 9/26/57 | (1-3) | 57-0050 Mr. Tyler Chart on Equations | 3 slides |
| 10/3/57 | (1-6) | 57-0051 Charts for Dr. Duntley | 6 slides |
| 10/7/57 | (1) | 57-0052 Missile Meter Material Dr. Duntley | 1 slide |
| 10/7/57 | (1-4) | 57-0053 Mr. Tyler Charts on Radiance Profile | 4 slides |
| 10/7/57 | (1-7) | 57-0054 Dr. Duntley & Mr. Silvernail Charts for the Optical Conference | 7 slides |
| 10/11/57 | (1-2) | 57-0055 Charts for the Optical Conference Dr. Preisendorfer | 2 slides |
| 10/28/57 | (1-12) | 57-0057 Dr. Duntley Charts slides were made | 12 slides |
| 12/10/57 | (1-7) | 57-0060 Dr. Preisendorfer Charts slide were made | 7 slides |
| 12/15/57 | (1-2) | 57-0061 Dr. Preisendorfer Article "Towards Flight without Stress or Strain" | 2 slides |

TOTAL SLIDES PRINTED 1957

149

1957

SLIDES

| | | |
|---------|--|-----------|
| 4/8/57 | Dr. Preisendorfer 57-0025 (1) Radative Transfer Processes | 1 slide |
| 4/18/57 | Jim Harris 57-0026(1-5) Pike's Peak Data | 5 slides |
| 4/23/57 | Dr. Duntley 57-0027 (1-4) copies of Prints from March field | 4 slides |
| 4/24/57 | Dr. Duntley 57-0028 (1-5) Charts Pertaining to Missile Date | 5 slides |
| 5/10/57 | Jim Harris Hook Program 57-0029 (1-4) Charts <u>CONFIDENTIAL</u> | 4 slides |
| 5/14/57 | Dr. Morris Charts 57-0030 (1-4) 56-0046 (56-10) | 6 slides |
| 6/25/57 | Al Boileau 57-0038 (1) Charts on Temperature | 3 slides |
| 7/10/57 | Al Boileau 57-0039 (1-4) Linear Rules Graphs also 56-0048 (8) 55-00324 (14) | 6 slides |
| 7/30/57 | Al Boileau 57-0040 (1-8) Slides to be used in the class work | 8 slides |
| 7/31/57 | 57-0041 (1) Mr. Tyler A New Negative made in another group Chart on Equation | 1 slide |
| 8/26/57 | 57-0045 (1-6) Mr. Al Boileau Slides of charts to be used in lecture work | 6 slide |
| 8/12/57 | Mr. Al Boileau 57-0042(1-10) Slides to be used in class work | 10 slides |

1957

SLIDES

| | | |
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| 1/4/57 | 57-0002 (1-5) Dr. Duntley Charts Bull Pup Project | 5 Slides |
| 1/17/57 | 57-0004(13) Mr. Tyler Radiance and Scattering Function 1 Galvanometer | 13 Slides |
| 1/25/57 | 57-0006(1) Mr. Tyler Diffuse Sphere Collector | 1 Slide |
| 1/25/57 | 57-0007(1) Mr. Tyler % Scattering Sphere | 1 Slide |
| 1/25/57 | 57-0008(I) Mr. Tyler Nephelometer | I Slide |
| 1/25/57 | 57-0009(I) Mr. Tyler % Scattering Sphere | 1 Slide |
| 1/25/57 | 57-0010(1) Mr. Tyler % Ratio Meter | 1 Slide |
| 2/8/57 | 57-0015(1-15) Dr. Duntley Charts | 15 Slides |
| 2/26/57 | 57-0019(I) Mr. Tyler Chart Pertaining to Instrument reading | 1 Slide |
| 2/27/57 | 57-0020(1-2) Dr. Preisendorfer Foundation Radative Transfer Theory | 2 Slides |

SLIDES 1956

| | | |
|---------|--|----------|
| 4/2/56 | Jim Harris 56-0026 (1-4) Telephotometer and Inst., set up on Print for Wave Cap Simulator | 2 Slides |
| 4/2/56 | Jim Harris 56-0027 White Cap Simulator Screen and Receiver Tube | 1 Slide |
| 4/4/56 | Jim Harris 56-0028 Hook(Graph) | 1 Slide |
| 4/6/56 | Jim Harris 56-0029 Hook Chart | 1 Slide |
| 4/16/56 | Dr. Ballard 56-0009 Relative Detector Sensitivity | 1 Slide |
| 5/1/56 | Dr. Duntley 56-0030 (1-2) Dr. Duntley and Jack Bryant Luminance Foot Lamberts | 4 Slides |
| 5/3/56 | 56-0031 Mr. Tyler, Mr. Richardson Dr. Duntley & Commander Walsh | 2 Slides |
| 7/11/56 | Dr. Duntley 56-0038 (1-4) Satellite material for Speech | 4 Slides |
| 10/9/56 | Dr. Ballard 56-0052 (1-3) Wavelength and Charts | 3 Slides |
| 11/1/56 | Dr. Duntley 56-0035(1-4) Charts for Duntley | 4.Slides |
| 11/6/64 | Mr. Tyler 56-0018(1) Target as seen by the Observer in tunnel | 1 Slide |

TOTAL SLIDES 1956 72

SLIDES

| | | | |
|---------|--|---|--------------------|
| 1/6/56 | Dr. Duntley 55-00324-13 Installation on B-29 55-00371-2 Spectrograph | 55-00404 Trailer 4 slides 55-00371-1 Installation | |
| 2/15/56 | Dr. Duntley 56-0005 Underwater Wigwam Scripps | | 2 slides |
| 2/24/56 | Dr. Duntley 56-0006 Charts | | 4 slides |
| 3/1/56 | Dr. Ballard 56-0008 <u>Underwater T.V. Study CONFIDENTIAL</u> | | 3 slides <i>3H</i> |
| 3/26/56 | Dr. Duntley 55-00324-12 Installation B-29 55-00324-7 55-00324-1 55-00324-2 | 55-00205 Line Drawing Spectrograph 55-00206 Spectrograph with Inst., 56-0019 Inside of B-29 | 9 slides |
| 3/28/56 | Dr. Duntley 56-0015 (3-4 Trailer & Plane at the Florida Base | | 2 slides |
| 3/27/56 | Dr. Duntley <u>56-0020 (1-5) CONFIDENTIAL</u> Speech April 2 1956 taken from the S.A.C. Report | | 5 slides |
| 3/26/56 | John Tyler 56-0023 One Slide made of Nepelometer | | 1 slide |
| 3/28/56 | Dr. Duntley 56-0021 (1-2) Simulator Device Underwater T.V. 56-0022 Camera Case for Underwater T.V. | | 3 slides <i>3H</i> |
| 3/29/56 | Dr. Duntley 56-0024 For Duntley's Speech as of April 2 1956 | | 13 |
| 4/2/56 | Dr. Taylor 56-0025 (1-2) Graph for Planning Conference | | 2 slides <i>3H</i> |

SLIDES 1955

| | | |
|---------|--|--------------------|
| 8/22/55 | Dr. Ballard 381 (1-3) Copy optic density Graph | 3 slides |
| 9/7/55 | Mr. Tyler 308-9 Storm Drain Diamond Island 405 Underwater Photometer | 2 slides |
| 9/12/55 | Dr. Ballard 381-3 Copy optic Graph | 1 Slide |
| 9/14/55 | John Tyler 55-00400 Beta Meter and Frame for K Meter and other 55-00402 Instrument | 2 slides <i>gH</i> |
| 9/25/55 | John Tyler 55-406 Tables part of the Pitts Conference Lantern slide | 1 slide |
| 9/28/55 | Mr. Tyler 55-379 Exploded View of Underwater Photometer head | 1 slide |
| 9/29/55 | Mr. Silvernail Spectrum Print | 1 slide |
| 9/22/55 | Dr. Ballard 371-1 Spectrograph 372-2 B-29 Installation | 2 slides |
| 9/20/55 | John Tyler 55-00406 Drawings for the Pitts Convention | 5 slides 18 |

TOTAL SLIDES PRINTED IN 1955

64

1955

SLIDES

| | | |
|---------|--|----------------|
| 3/25/55 | John Tyler (Dimensional Colorimetry Chart) | 3 slides |
| 3/23/55 | John Tyler 55-00308 Made from Originals (8X5) | 13 Slides |
| 3/29/55 | John Tyler View 3 dimensional Colorimetry Chart | 8 slides |
| 3/15/55 | John Tyler 55-00311 Copy of Charts for Lantern Slides For Lecture in Washington | 2 slides |
| 5/4/55 | Al Boileau Original Report Fig 4,5 55-00329 (1-6) Sup No. Fig 10,4 55-00330 Sup No. 1,2,3,4,5,6 | 10 Slides |
| 5/?/55 | Al Boileau Goniophotometer (55-00332) | 1 Slides |
| 5/6/55 | John Tyler 55-00333 Drawings Exploded View underwater Spectrophotometer | 2 slides |
| 7/15/55 | Jim Harris Dev 35mm Film slides made of each on Frame | 1 slide |
| 7/19/55 | Dr. Ballard 55-00367 (1-2) Black Diagram of Analog System Represneting the eye | 2 slides |
| 7/21/55 | Dr. Ballard Malus Calibration Nr., 55-00349 | 1 slide |
| 8/11/55 | Bob Sandburg Grey Scale 18 A | 1 slide |
| 8/?/55 | Dr. Ballard 55-00305-05 Photometer in operation 55-00324-14 Installation of Air plane Equipment | 2 slides 46 |

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DATA ON ALL PROJECTS

ENC 28

AIRPLANES

57-0027 Dr. Duntley (March Field Air Strip)

59-0020 Silhouette Airplanes
59-0023 Airplane for Ozalid Work
59-0042 Mr. Martz in Airport

60-0041 Mrs. Jackie Gordon Airplane B-52 Negatives in with 56
60-0056 Mrs. Jackie Gordon Airplane B-52 Negative of 60-0041 Also

61-0015 Dr. Duntley Aerial Recon., Photo of German Airport
61-0021 Mrs. Jackie Gordon (B-52 Photo's used in S.A.C. Report
61-0036 Mr. Al Boileau (C-130) Airplane with the Equipment Shows
Placement of Equipment.
61-0053 Mrs. Kay Edgerton Airplanes

62-0057 Mr. Al Bouleau Air plane Equipment H Meter Ground Irradiance Meter

63-0015 Mr. Al Boileau (P.M. Power Supply) (C-130 Air Plane)
63-0021 Probe Pressure Balance Meter (C-130) Large Negative
63-0025 Mr. Al Boileau (Special Electronic Equipment for (C-130)
63-0060 Mr. Al Boileau (C-130 Hanscom Field
63-0067 Mr. Al Boileau (C-130) For a Report

64-0034 Mr. Al Boileau (C-130 Airplane)(Rough Art)
64-0035 Mr. Al Boileau (C-130 Tape Console)
64-0044 Jackie Gordon Slides for Air Force (CONFERENCE)12 Slides

AIRPLANES & EQUIPMENT ABOARD

55-00228 Wind Tunnel test #1 M.R. For Airplanes
 55-00264 M.R. lll close up of front of Photo Cell
 55-00265 M.R. lll Photo taken in Shop
 55-00266 M.R. Rear View of Photo Cell unit
 55-00267 M.R. lll Cover removed showing Heating coil and lens
 55-00268 M.R. lll View on Mirrors
 55-00269 M.R. lll Side Whole Inst.,
 55-00276 M.R. lll mounted on the plane
 55-00324 Installation of M.R. on B-29
 55-00421 B-36 Flight (Lower Ship)
 55-00426 B-36 Flight
 55-00429 B-29 High Altitude Flight
 55-00430 B-36 Flight
 55-00431 B-36 Flight
 55-00433 B-36 Flight

EQUIPMENT

55-00224 Nephelometer Studio Shot of the unit
 55-00225 Nephelometer 45 Showing Raffles
 55-00227 E Meter for Plane
 55-00277 E Meter Location & Mounting on Airplane
 55-00292 Instrument on Airplane
 55-00298 Upper Sky Scanner
 55-00304 Lower Sky Scanner Shows light Baffles
 55-00370 Converted Binocular Columator
 55-00398 Airplane Calibration Inst., M.R. Simulator

 56-0015 Airplane & Trailer taken on the Florida Trip
 56-0016 Airplane & Trailer copies of the recorder, tape Samples
 56-0019 B.A.F.B. Inside B-29 Dr. Duntley (Edwards Photos)
 56-0042 B-29 Place for New Equipment
 56-0045 Installation on Plane Aug. 16 1956 Calibration
 56-0048 Boileau M.R. Calibration B-29
 56-0050 Boileau 17/56
 57-0005 Crew Members Dr. Duntley
 57-0014 Airplane Captain Barron
 57-0027 A.F.B. Dr. Duntley
 58-0008 Dr. Duntley Article from ManHigh 11 Charts

Y METER

55-00132 Y Meter Close up 8/53
 55-00133 Y Meter John Hood in Photo
 55-00223 Y Meter for Airplane
 55-00275 Lower Sky Scanner Installation on Airplane
 55-00278 Y Meter Mounted on Airplane
 55-00291 Lower Sky Scanner-Airplane Mounting & Lower Sky Scanner
 55-00297 Airplane Inside of Equipment & Lower Sky Scanner
 55-00412 Inside of B-29
 57-0044 Y Meter with a New Cap

APPLIED OPTICS

| | | |
|---------|---------|--|
| 2/4/64 | 64-0002 | Dr. Duntley (For Applied Optics Magazine) |
| 3/5/64 | 64-0012 | Mrs. Jackie Gordon (Large Neg.,) Nomograph Optics Article |
| 3/5/64 | 64-0014 | Mr. Jim Harris Graph for Composite For Applied Optics Article Dr. Duntley |
| 5/27/64 | 64-0029 | Mrs. Jackie Gordon Aviator For The Applied Optics |
| 7/29/64 | 64-0059 | Dr. Duntley Optical Material |

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1960

ARTIC PROGRAM

60-0010() Mr. Austin Artic Simulator Test No Negative
60-0028() Mr. Austin Igloo Research (Report)
60-0035() Miss Kay Fean (Ships for Reports)
60-0036() Mr. Austin Igloo Research (Reports)
60-0033() Mr. John Hood Painted Model of Ship (Igloo)

ARTICLES

60-0001 Dr. Taylor Material Pertaing to the Eye
60-0015 Dr. Taylor 10 Slides
61-0022 Mr. Hadley Richardson Ozalid Master (For Report)
61-0060 B-52 B-47 Winged Span Article
63-0070 Mr. Al Boileau For Article
63-0071 Mr. Austin For Article
64-0002 Dr. Duntley (For Applied Optics Magazine)

ARTICLES

- 55-00194 Electronics 1953
- 55-00222 Scattering in Planetary Atmosphere
- 55-00259 Journal of Marine Research 1941
- 55-00260 The Angular Distribution of Submarine Daylight
- 55-00300 Radiation through a Foggy Atmosphere
- 55-00314 Heat Treatment of Cathode Ray Tube Shields
- 55-00322 Uber Das Gleichgewicht Der Sonnenatmosphäre Schwarzschild
- 55-00326 "Zeitschrift Fur Physik -- 1929 (Oct to Dec. 1929)
- 55-00327 " " " -- 1929 (Nov 1928 to Jan 1929)
- 55-00328 " " " -- 1930 (Dec 1929 to Jan 1930)
- 55-00335 "Laws of Eye Movement in Vision" (By Al L Yarbus
- 55-00336 "Method of Determining are of Equidensity in Photographs (By
A Class of Singular Integral Equations (Written in German)
- 55-00337 " " " " " "
- 55-00338 " " " " " "
- 55-00339 Model of Outer Layers of Star Hopf Schwarzschild-Milne
- 55-00340 Concerning Linear Integral Equation with positive Nucleus (German)
- 55-00341 "On The Schwarzschild-Milne Model of the Outer Layers of Star 11-Hopf
- 55-00341 Notes on the Temperature Distribution in the Deep Layers of Stellar
- 55-00324 Atmospheres" -- Bronstien
- 55-00343 "Integral Equation of Radiative Equilibrium" Freundlich, Hopf
and Wegner
- 55-00247 "Uber Diffusion and Absorption Der Sonnenatmosphäre
By K. Schwarzschild.
- 55-00354 "Trans of Optical Inst. of Leningrad Vol 6 1931 #57-pp 1-20
- 55-00355 " " " " Vol 6 1931 #59-pp 1-15
- 55-00356 " " " " Vol 6 1931 #99-pp3-16-43-77
- 55-00359 "Effect of Collision on Monochromatic Resistive Equilibrium-Milne
- 55-00368 (6) Note on the Scattering of Radiation in An Inhomogeneous Medium
- 55-00368 (7) The Diffraction of Waves by an Irregular Refracting Medium
- 55-00397 Resolving and Information 'Journal of the Optical Society
of America, Volume 45 Number 7 July 1955 (Pages)
- 55-00409 Photometry at Low Levels
- 55-00414 Photographic Sensitometry There are 55 Negatives
- 55-00428 Written in German Eberhard Effect 58 Negatives
- 56-0043 Electric Design Magazine Article (Specifying Toroidal Reactors)
with Graph
- 56-0047 Optical Properties for Al Boileau
- 56-0057 Variation De La Brilliance Des Loinetains ve La Distance
- Article from Science Et Industries Photographiques 2 1930 Dr. D.
- 56-0061 1. Scintillation Counter (1-6) Jan 1955
2. Objective Geometry (1-7) Nov 1953
- 57-0012 Thermometer Indicating Resistance Article Section 111
- Preparation for us and Shipment
- 57-0061 "Forward Flight Without "Stress or Strain Dr. Preisendorfer
- 58-0028 Photo on 35mm of Speech for Dr. Taylor
- 59-0001 Mr. Tyler (Copies made from a Russian Paper Slides 10

CHARTS

63-0044 Mr. Richard Ensminger Drawing of Discovery of Satellite N. Neg.,
 63-0047 A Quadrant Content Meter Ben Mc Glamery
 63-0048 Mr. Jim Harris Charts to be used in Article (Large Negatives)
 63-0050 Dr. Duntley also 60-0027 Chart from Optical Data 2 Slides
 63-0052 Dr. Taylor Chart
 63-0053 Dr. Duntley Chart for report (LIGHT IN THE SEA) Also Negative
 From 62-0016 were put in with these Negatives
 63-0054 Dr. Duntley Charts 3 Slides
 63-0055 Ben Mc Glamery (503 Charts for Report)
 63-0061 Mr. Al Boileau charts (Also 1 Negative of 63-0060 4 Slides
 63-0062 Mrs. Jackie Gordon Charts taken from Book
 63-0064 Dr. Taylor Diagram of Vertical Section of Typical Teleost Eye
 63-0065 Bob Howarth Chart for a Report
 63-0069 Richard Ensminger Charts for Report (503)

64-0001 Mr. Al Boileau Log-Log Graph 4 Log X $\frac{1}{2}$ Log
 64-0004 Mr. Jim Harris Sea State (CONFIDENTIAL) 2 Slides
 also one Negative in General negative file
 64-0005 Mr. John Tyler Charts 4 Slides
 Pacific Coastal Waters
 64-0006 Mrs. Jackie Gordon (For Roof Top)
 Azimuth Indicator & Elevation
 64-0011 Mr. Jim Harris Example (A Large Negative)
 64-0012 Mrs. Jackie Gordon (Large Negative)
 Nomograph for applied Optics Article
 64-0013 Example for Graph for (A Guide) (Photo Lab)
 64-0014 Mr. Jim Harris Graph for Composite
 For Applied Optics Article
 64-0023 Project 503 Bob Howarth for Chassis
 Relay Line Compensator
 64-0026 Mrs. Jackie Gordon Polar Plots
 64-0027 Mr. Jim Harris Star Plane Restoration
 64-0031 Mr. Tyler Charts No 25 2 Slides
 64-0045 Luminance V.S. Sun Angles Mrs. Jackie Gordon
 64-0062 503 Ships Chart
 64-0066 Schematic of Teletype Discriminator Dick Ensminger
 64-0067 Schematic for Ben Mc Glamery put in with 64-0058
 64-0068 Temp and Hydrological Range Vs Depth

1962

CHARTS

1963

62-0018(9) Mr. Jim Harris
62-0018 Special also Negatives from 61-0041-61-0042
62-0003 (Ozalid)

62-0019(6) Mr. Jim Harris
Mr. Richard Ensminger V.T.C. Program 6 Slides

62-0020() Mr. Jim Harris
Charts (CONFIDENTIAL) 16 Slides

62-0021() Mrs. Jackie Gordon
Charts 62-0021-62-0025-61-0053-58-0036
56-0054-59-0013 Tanks in with 62-0021 (CONFIDENTIAL)

62-0022() Mr. Al Boileau
Charts for Symposium 16 Slides

62-0023() Mr. Hadley Richardson Charts 13 Slides

62-0024() Mr. John Taylor Chart for Symposium 1 Slide

62-0025() Mr. Jim Harris Chart Report 62-4 (CONFIDENTIAL)

62-0026() For Report on Symposium Also Negatives
62-0024-62-0022-62-0021-61-0025-60-0035-59-0037-59-0013
56-0054-56-0048-55-00225-59-0022

62-0027() Mr. Jim Harris Chart for Talk at L.A. May 4 1962 1 Slide

62-0031(1) Mrs. Jackie Gordon (Dr. Duntley Slide) Altitude of Sun Degrees

62-0033(3) Mrs. Jackie Gordon Chart

62-0038(I) Spectral Sensitivity of 50-121 (Chart)

62-0040(I) Mr. Al Boileau Chart

62-0051() Dr. John Taylor Charts

62-0054() Mr. Al Boileau Chart (Speech 7 Slides)

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

62-0056() Mr. Richard Ensminger Charts

62-0058() Dr. Taylor Chart Vision

62-0060() Dr. Taylor Chart (For Report)

63-0005() Dr. Duntley Charts 9 Slides

63-0007() Dr. Taylor Charts (Large Negatives)

63-0011() Mr. Jim Harris Charts

63-0012() Mr. Jim Harris (Negatives used for Article)

63-0013() Mr. Jim Harris Spatial Frequency Radi

63-0031() Mr. Jim Harris WASHINGTON (Charts & Other Negatives)
(3 Enveloped one in the Regular File)

63-0033() Mr. Jim Harris Distorted "ARPA" and Recovery Math
Distortion and Actual Distortion on Scanner

63-0037() Optics - Electronics

63-0038() Bob Stapleford Targets .042

63-0043() Dr. Duntley (Charts Shimmer Meter Chassis

1961

CHARTS

61-0018 Mr. Jim Harris Normal Operations I O Modification
61-0019 Mr. Jim Harris Pulsed Operations I O Modification
61-0020 Mr. Jim Harris Modification (Used in report)
61-0023 Dr. Duntley Charts Special S.D. April 10 1961
61-0026 Mr. Al Boileau Charts
61-0028 Mrs. Jackie Gordon Charts
61-0029 Miss Kay Fean Charts
61-0030(6) Mr. Al Boileau Charts 6 slides Negatives put in 61-0031
61-0031(5) Mr. Al Boileau Charts also Negatives 60-0050 E Meter 6 slides
61-0032(3) Mr. Tyler Chlorophyll Spectrum
61-0037(2) Dr. Duntley Charts Exacta Shutter Calibrations
61-0039(5) Dr. Taylor Charts Reflector Efficiency Searchlight Beam
Statue Miles
61-0040(23) Mr. Jim Harris Charts 23 slides
61-0041(7) Mr. Jim Harris Charts for a report (C)
61-0042() Mr. Jim Harris (I O Modification)
61-0043() Mr. Al Boileau Charts 7 slides
61-0044() Mr. John Tyler Charts 1 slide
61-0046() Mr. Al Boileau Charts & E Meter
61-0050() Dr. Duntley (Speech Optical Society 23 slides)
61-0051() Dr. Duntley Speech Washington Charts & Tank 11 Slides (6 Conf.)
61-0052() Mr. Jim Harris Aircraft Carrier Film Strips & Charts 21 slides(3 Conf)
61-0055(3) Dr. Taylor Charts
61-0056() Mr. Tyler Charts also 59-0038 (15 slides) & 61-0003
National Science Foundation
61-0057() Illumination Foot Candles
61-0065() Dr. Taylor Charts
61-0066() Mr. Tyler Charts (Special No 1)
61-0067() Dr. Taylor Charts
61-0068() Mr. Jim Harris Charts Radi
61-0070() Mr. John Tyler Charts
62-0001(2) Mr. John Tyler Charts (German Article) SPECIAL)(NO 2-3)
62-0007(4) Mr. John Tyler Charts (SPECIAL NO (4-5-6-7)
62-0008() Dr. Taylor Chart
62-0010(6) Mr. John Tyler Charts (SPECIAL) NO 8-9-10-11-12-13)
62-0011() Mr. John Tyler Charts (SPECIAL NO 14)
62-0016(17) Dr. Duntley Charts for Article also 61-0047 5 Negatives
59-0002 6 Copies were made of each, model of Tower
for Diamond Island

CHARTS

1960 -- 1961

60-0027() Mr. Tyler Charts
 60-0029() Dr. Duntley (Swimmer Nomographs Report)
 60-0030() Schematic View Box (used in the Searchlight Report)
 60-0031() Dr. Taylor Wavelength Vs Wratten 78AA Filter
 60-0032() Dr. Taylor Thresholds Contrast Targets Diameter
 60-0034() Dr. Taylor Charts
 60-0037() Mr. Al Boileau Charts
 60-0040() Dr. Preisendorfer Charts 5 slides
 60-0042() Mr. Al Boileau Charts
 60-0043() Dr. Duntley (Tables) Mr. Richardson
 60-0047() Dr. Duntley Charts *35 mm.*
 60-0048() Dr. Taylor ~~Charts~~ *equip.*
 60-0051() Mr. Richard Ensminger Chart Densitometer
 60-0052(5) Dr. Duntley Charts for Report
 60-0053() Mr. Robert Howarth Charts Photometric Lamps Mr. Jim Harris
 60-0055() Mr. Tyler Case 5651 Charts
 60-0057() Mr. Jim Harris 503 Ben McGlamery
 60-0058() Dr. Taylor The Star Study
 60-0059() Mr. Tyler G 5651 Project
 60-0061() Mr. J.J. Rennilson (Charts & Photographs 21 slides
 also Negatives No 60-0005-60-0013-60-0030 Charts

61-0001(1) Mr. Austin Chart (RCA Folder) Technical Journal
 61-0002(1) Dr. Taylor Chart
 61-0004() Mr. Richard Ensminger (Chart Densitometer)
 61-0005() Mr. J.J. Rennilson also Neg., No. 60-0005 -60-0061 Charts
 some of these Negatives were used in Report No 60-0016

61-0006() Mr. Tyler
 Measurements of Perpendicular and Horizontal Angular
 distributions of Submarine Daylight by Means of a
 New Remote Control System Reprinted from Record
 of Oceanographic Work in Japan

61-0010(1) Mr. Tyler Chart
 61-0011(2) Dr. Duntley Chart Horizontal Intersection of Detection Lobe
 with Target Space at 500 Ft Altitude

61-0012(4) Dr. Taylor
 Charts for Speech in Washington March 27 1961

61-0013(45) Jim Harris Charts
 Radi & 503 Project for trip to Washington 3/22/61
 also Some Negatives from Movie Strip & also one from
 a glass plate (Equipment used in 503 Project)

CHARTS

1958 - 1959 - 1960

- 58-0007 Mr. J.J. Rennilson Charts
 58-0011 Dr. Duntley Charts (Foot Lamberts
 58-0017 Mr. Tyler Charts Radiance Data (April 1957) I Slide
 58-0018 Mr. Tyler Charts
 58-0023 Mr. Tyler Charts (Relative Radiance) Air & Water 1 Slide
 58-0024 Dr. Duntley for Speech May 5 1958 Point Mague 6 Slide
 58-0026 Mr. Tyler Charts Radiance Distribution Lake Pond Oreilla 5 Slides
 58-0027 Dr. Duntley Charts for Reports (Illumination)
 58-0035 Dr. Taylor Chart Calibration Curve of Spot Photometer
 58-0038 Dr. Duntley Chart 3 Negatives from this Group are in 61-0061)
 58-0041 Dr. Duntley Charts Optics Slides were made for Dr. Ballard
 58-0048 Dr. Preisendorfer Charts from Article 4 Slides
- 59-0004(I) Dr. Duntley Irradiance as Function of Depths
 59-0007(4) Mr. Tyler Charts Relative Radiance 4 Slides and a Positive
 59-0008(I) Mrs. Jackie Gordon (Foot Candles)
 59-0015(2) Mrs. Jackie Gordon No Negatives
 59-0016(2) Dr. Preisendorfer Charts
 59-0018() Mr. Jim Harris Visual Research Graph 12 Slides (4 Negatives)
 59-0019(3) Mr. Martz Charts 3 Slides No Negatives
 59-0021(6) Dr. Duntley Optical Society Meeting (35mm Film)
 59-0022(13) Dr. Al Boileau Charts for Speech 13 Slides
 59-0025(7) Mr. Ed. Martz Graph 7 Slides
 59-0027(I) Mr. Ed. Martz Charts I Slide for Speech
 59-0028(I) Mrs. Jackie Gordon I Negative for Ozalid work Sheets
 59-0029(8) Mr. Ed. Martz has these Negatives
 59-0032(2) Dr. Duntley Charts (Targets) 2 Slides
 59-0035(4) Dr. Preisendorfer Charts 4 Slides
 59-0040() Mr. Tyler Galathe Report Volume I Primary Oceanic Production Charts
 59-0041() Mr. Jim Harris Charts
 59-0043(10) Mr. Jim Harris Wire angle Charts
 59-0044(3) Mr. Ed Martz Charts 3 Slides
- 60-0002(I) Mr. Al Boileau Optics Efficiency
 60-0009() Miss Kay Fean Contrast Thresholds Charts
 60-0011(6) Mr. John Tyler Charts 6 Slides
 60-0012(3) Mr. John Tyler Charts 3 Slides
 60-0013() Mr. J.J. Rennilson The Searchlight
 60-0015() Dr. Taylor Charts
 60-0016() Mr. John Tyler Charts
 60-0018() Dr. Taylor Charts
 60-0020(5) Mr. Tyler Charts
 60-0021() Dr. Taylor Charts
 60-0023(2I) Dr. Duntley Binocular Depth Depth Perception (Bell Tel & Tel)
 60-0026() Dr. Taylor Efficiency of the Naked Eye (Charts)

Index to Vis-Lab Slide File

1956

CHARTS

1957

56-0006 Banyuls-sur-mer, France Northwestern ~~Mediscreen~~ Oct. 1956
 56-0009 Relative Detector Sensitivity
 56-0012 Theoretically Required Spectral Sensitivities
 56-0017 Optical Projection of Harbor Water
 56-0020 Dr. Duntley Speech CONFIDENTIAL FILE April 2 1956
 56-0024 Dr. Duntley Speech in Boston April 1956
 56-0025 Conference Charts Dr. Taylor
 56-0028 Hook Program Jim Harris
 56-0029 Hook Program Jim Harris
 56-0030 Luminance (Foot Lamberts)
 56-0033 Light Meter
 56-0034 Nomograph
 56-0035 Microwave Refraction Modulus Dr. Duntley
 56-0038 For Satellite (Material for Dr. Duntley)
 56-0040 Optical Theorie at Instrumental
 56-0043 Electronic Disque (Article Specifying Tordial Reactors with Graph
 56-0046 Plane Targets
 56-0052 Wavelength Charts Dr. Ballard
 56-0056 Optical Society Dr. Duntley
 56-0058 Sun Plane and Photometer Head Data
 56-0059 Calculated Path Function
 56-0062 Reference Chart (Wave Cap Project)
 57-0002 Bull Pup Project Transferred to 61-0051
 57-0003 Optical Training Chart
 57-0004 Radiance and Training Function
 57-0015 Dr. Duntley (Charts transferred to 61-0051)
 57-0019 Instrument Reading Chart
 57-0020 Foundation Radative Transfer Theory
 57-0021 No Negative
 57-0025 Radative Transfer Process
 57-0026 Pikes Peak Data Jim Harris
 57-0028 Missile Data Dr. Duntley
 57-0029 Hook Program Jim Harris (CONFIDENTIAL FILE)
 57-0030 Airplane Dr. Morris
 57-0031 Dr. Morris Charts
 57-0032 Tube Plate Characteristic (Charts)
 57-0038 Temperature Al Boileau
 57-0039 Rules Al Boileau
 57-0040 Air Material Al Boileau
 57-0041 Equation Material Mr. Tyler
 57-0042 For Lecture Work Al Boileau
 57-0045 " " " " "
 57-0046 " " " " "
 57-0049 Hook Jim Harris
 57-0050 Mr. Tyler Charts
 57-0051 (1-6) Charts Dr. Duntley Slide made October 4 1957 (6 Slides)
 57-0053 Radiance Profile Mr. Tyler
 57-0054 Dr. Duntley & Mr. Silvernail

Index to Vis-Lab Slide File

1955

CHARTS

| | | |
|----------|----------------------------|-------------------|
| 55-00434 | Mr. Tyler Vision 1954-1955 | Charts |
| 55-00436 | Sea State | |
| 55-00439 | Vis Com Table | New London |
| 55-00440 | " " " | Submerged Objects |
| 55-00441 | " " " | " " |
| 55-00442 | Underwater Photometer | San Diego Data |
| 55-00443 | Mr. Tyler Copy 1-19-53 | Charts |
| 55-00444 | Ansco Circuit Diagram | |

1955

CHARTS

55-00209 Copy Line Drawing side View of B-29
55-00210 Copy - b - 29 showing placements of gear in plane
55-00211 copy Line Drawing of M.R. Meter for Airplane
55-00212 Copy line Drawing of Nepelometer for plane
55-00213 Copy line Drawing of Motion Picture Studio
55-00214 Copy Line Drawing of Light Box
55-00215 Copy line Drawing of Light Box
55-00216 Chart of Field Operations
55-00217 Chart of Military Calculation Panel
55-00218 Chart Program of the Vis Lab
55-00219 Chart Basic Research Panel
55-00220 Chart Nomograph
55-00221 Chart Nomograph
55-00263 Chart Dr. Ballard's Lecture in Italy - meter - Range
55-00270 The Albedo of the Sea to Skylight
55-00274 The Cathode Sensitivity of Photomultiplier tubes
55-00306 Screw thread system from flecible Shaft
55-00307 Laminal Contrast tables
55-00308 John Tyler's Charts
55-00311 Copy Lantern Slides
55-00312 Projected area of B-36
55-00321 Luminance Unit Conversion
55-00323 Colorimetry
55-00329 Sphere Program Report
55-00333 Underwater Spectrophoto meter
55-00346 Polar Graph
55-00351 Polar Graph
55-00353 Colorimetry
55-00362 Declination of Sun Equation of Time
55-00369 Upper Gonio Scanner Rule
55-00372 Machine Screw Sizes
55-00374 Copy of "Meter Calibration" Rule for B-29 Tube "44" (7-15-55)
55-00375 B-29 Telephotometer Scale Chassis #26 -7-7-54
55-00376 Short Path M.R. 5-5-55 Calibration Rule
55-00377 Long Path M.R. 5-10-55
55-00378 Trailer - upper Hemsphere
55-00385 Lower e Calibration Scales
55-00386 Path Function Scales Log # 123,5,45,5 Neg 1
367 34,3,23,Negatives 4,2,12,1, 2345 Negative 3
2345, 234, 1234, 345 Negatives 2
55-00391 Radiance Difference (Dr. Duntley)
55-00395 Underwater Photometer Line Drawing
55-00396 Radiance Distribution Boxes
55-00401 Up & Down Ratio - Rig
55-00406 Pitts Convention Mr. John Tyler
55-00407 T.V. Program Harbor Buoys Line Drawings MB.
55-00415 Radition on the transmission Heat
55-00416 Charts Reports of the Swedish Deep Sea Expedition Mr. Tyler
55-00417 Charts Mr. Tyler
55-00418 Gammeter Negative large (in Metal Cabinet)
55-00367 Copy Line Drawing Analog representing the eye(S.S. Ballard)

1955

CHARTS

| | |
|----------|---|
| 55-00086 | Program of the Visibility Lab |
| 55-00087 | Complete Breakdown of the Vis Lab |
| 55-00088 | Shows flow of Authority of the Vis Lab |
| 55-00089 | Shows flow of Authority of the Vis Lab |
| 55-00090 | No Negatives |
| 55-00091 | No Negatives |
| 55-00092 | No Negatives |
| 55-00093 | Luminance |
| 55-00102 | Charts |
| 55-00103 | Charts |
| 55-00104 | Charts |
| 55-00105 | Charts |
| 55-00106 | Charts from Vision Thorough The Atmosphere |
| 55-00107 | " " " " " " |
| 55-00108 | " " " " " " |
| 55-00109 | " " " " " " |
| 55-00110 | Charts made for Mr. Tyler Thru 118 Sun Brightness, Foot Lamberts |
| 55-00119 | Slides Negatives of 1948 Results |
| 55-00120 | Decimal Equivalents of one inch |
| 55-00121 | Screw Hole Sizes |
| 55-00122 | Sea State Meter - D.C. Amplifier |
| 55-00123 | Three Log Density and Contrast Scale |
| 55-00124 | Mark 1 Mod 11 Amplifier |
| 55-00125 | Regulated High Volt power supply |
| 55-00126 | Regulated Power supply |
| 55-00127 | " " " |
| 55-00128 | " " " |
| 55-00129 | " " " |
| 55-00130 | No Negative |
| 55-00131 | Underwater Pattern Distribution |
| 55-00150 | Chart |
| 55-00151 | Chart |
| 55-00152 | Chart |
| 55-00153 | Chart |
| 55-00154 | Chart |
| 55-00155 | Chart |
| 55-00182 | Summary of Gulf of Main and Wood's Hole " 1931 Observation |
| 55-00183 | Comparison of Spectral Sensitivities of Photometer |
| 55-00184 | Copy of Marine Journal Rsearch 1937 Fig 27 |
| 55-00189 | " " " " " Fig 28 |
| 55-00190 | " " " " " Fig 29 |
| 55-00191 | " " " " " Fig 29 |
| 55-00192 | Charts |
| 55-00193 | Charts |
| 55-00196 | Nomograph |
| 55-00208 | B-36 Blue Prints (Copy) |

1962

CRUISER & TANKER

1/24/62 62-0004 Mrs. Jackie Gordon
35mm Negative 10 envelopes with negatives

6-26-62

DIA. ISLAND - 62

ITEMS TO BE PHOTOGRAPHED.

1. CARRIAGE

a. INSIDE ASSEMBLY

b. OUTSIDE COMPLETELY ASSEMBLED
WITH PROJECTOR; AUTO. STOP SOLENOID;
POLAROID HOLDER (3)

c. CABLE?

2. CONTROL PANEL

3. MARK IV TELEPHOTOMETER & PHOTOTUBE
HEAD.

4. IRRADIANCE PHOTOMETER HEAD.

a. DISSASSEMBLED

b. ASSEMBLED -

c. COOLING DEVICE.

d. CHASSIS - ULTRA SENSITIVE

5. PORTHOLE WITH STOP CHANGER WHEEL

DIAMOND ISLAND

55-00082 Office Bldg., at Diamond Island
 55-00156 Underwater Barge - - Copy Negative with Background retouched
 55-00157 Tower at Diamond Island
 55-00158 Tower at Diamond Island (Side View)
 55-00159 Tower at Diamond Island
 55-00166 Tower at Diamond Island (Close up of Electronics Bldg.,)
 55-00168 M.R. 11 at Diamond Island
 55-00170 Tower at Diamond Island with glass bottom Boat in operation
 55-00171 M.R. 11 Diamond Island
 55-00172 M.R. 11 Diamond Island General View showing Recording Cabinet
 55-00173 M.R. 11 Diamond Island General View showing Recording Cabinet
 55-00174 M.R. 11 Diamond Island General View showing Recording Cabinet
 55-00175 M.R. 11 Diamond Island General Close up
 55-00176 M.R. 11 Diamond Island High View looking down M.R. 11
 55-00177 M.R. 11 Diamond Island Close up M.R. and Recording Cabinet
 55-00178 M.R. 11 Diamond Island General View showing Recording Cabinet
 55-00179 Tower at Diamond Island Showing Electronics Bldg.,
 55-00197 Group Photograph of 1953 Personnel
 55-00198 T Light unit used and underwater light Source (Fred Pinkham)
 55-00199 Same as 55-00198
 55-00200 Same as 55-00199
 55-00261 Storm Damage at Diamond Island
 55-00262 Gear in operation of Tower at Diamond Island Summer 1954
 55-00290 Report on 1954 Diamond Island Activities made for Dr. Ballard
 55-00306 Summer of 1954 - - Bill Culver Exp Gear
 55-00309 Storm Damage at Diamond Island 1954 Roll # 1
 55-00310 Storm Damage at Diamond Island 1954 Roll # 2
 55-00422 Diamond Island Pictures
 55-00425 A Series of Negatives on Diamond Island
 57-0064 Photo made at Diamond Island in the Summer 1955
 60-0054 Dr. Duntley A Photo taken of Diamond Island
 62-0030 Dr. Duntley Difference Shots taken at Diamond Island
 62-0037 Dr. Duntley Diamond Island Equipment to be shipped to the Island
 62-0047 Dr. Duntley (35mm) Diamond Island Underwater
 62-0016 Model of Diamond Island Tower
 64-0064 Dr. Duntley Charts Laser Lamp Diamond Island 4 slides

DIAMOND ISLAND

55-00036 Construction Operations at Diamond Island Dredge along shore
 55-00037 Construction Operations at Diamond Island Dredge under tow
 55-00038 Constructions at Diamond Island Dredge under tow
 55-00039 Construction Operations at Diamond Island Drilling from Dredge
 55-00040 Construction Operations at Diamond Island Drilling from Dredge
 55-00041 Construction Operations at Diamond Island Top View of Dredge
 55-00042 Construction Operations at Diamond Island
 55-00043 Construction Operations at Diamond Island Blasting of Lagoon
 55-00044 Construction Operations at Diamond Island Lagoon
 55-00045 Tower Construction at Diamond Island upper platform in Place
 55-00046 Tower Construction at Diamond Island upper platform in Place
 55-00047 Tower Construction at Diamond Island Upright poles only
 55-00048 Tower at Diamond Island in winter Showing Sky State Sea State, Photo
 55-00049 Tower at Diamond Island Shows upper Crows nest
 55-00050 Complete Tower at Diamond Island View from the shore
 55-00051 Complete Tower at Diamond Island View from the shore
 55-00052 Diamond Island Personnel
 55-00053 Diamond Island Personnel
 55-00054 Diamond Island Personnel
 55-00055 Boats at Steel Pier Ames
 55-00056 Diamond Island Machine Shop
 55-00057 Diamond Island Test Laboratory
 55-00058 Boats at Wharf Diamond Island
 55-00059 Diamond Island from Shore Shows some of the Bldgs.,
 55-00050 Office Bldg., at Diamond Island
 55-00061 Boat at Steel Pier - Ames
 55-00062 Lagoon at Diamond Island Looking Down from the Tower
 55-00063 Diamond Island Looking down from the Tower
 55-00064 Diamond Island Lake and Boats from Speed Boat
 55-00065 Diamond Island Boats at Steel Pier Ames
 55-00066 Diamond Island Barge under Tow
 55-00067 Glass - Bottom Boat showing Grey Scales
 55-00068 Water Temperature Thermometer
 55-00069 Photometer Track at Diamond Island
 55-00070 Photometer Track at Diamond Island under Construction
 55-00071 Sun Path on Water Diamond Island
 55-00072 Sun Path on Water Diamond Island
 55-00073 Photo of Underwater Photometer at Diamond Island
 55-00074 Sea State Meter Hanging from Tower at Diamond Island
 55-00075 M.R. 111 taken By George in Driveway
 55-00076 Sea State Meter Studio Sheet
 55-00077 Sky State Meter Diamond Island
 55-00078 Tower at Diamond Island with Lagoon in foreground
 55-00079 M.R. 1 Diamond Island
 55-00080 Darkroom Diamond Island (Copy)

SPECIAL EQUIPMENT

63-0039 Missile and Trailer (Missile taken in Florida in 1957
63-0045 The Trailer with a New Sun Shade (Captain Lee)
63-0046 Ben Mc Glamery a Quadratic Content Meter
63-0047 Ben Mc Glamery a Quadratic Waveform
63-0058 AZmith Indicator
63-0059 Jim Harris V.T.C. (Equipment for Report)
63-0063 Optics Bull Balance Transmissometer
63-0068 Mr. Tyler Chart and Negative of Space Light Spectrometer

64-0003 Mr. Ben Mc Glamery Special Equipment
64-0008 Polarizing Effect in Sky Simulator
64-0009 Roof Top Sky Camera Elevation Angle Calibration
64-0016 Dr. Taylor LIGHT METER FOR THE TUNA COMMISSION
RESEARCH GRANT "SID"
64-0019 Solar Transmissometer (Copy of Paste Up) 2 Views)
64-0020 Gemini
64-0036 Tank Model Showing Sun & Overcast
64-0038 Van Model at Various Sun Angles
64-0042 Copies Mock Up for N.B.T.
64-0046 Mrs. Jackie Gordon Shot of Model Trailer on Roof
64-0069 Underwater Camera Dr. Taylor
64-0070 PHOTOMETER POWER SUPPLY Model 3 (FRONT PANEL)

SPECIAL EQUIPMENT

61-0059 Dr. Taylor Instrument
 61-0061 Mrs. Jackie Gordon Submarine models
 61-0064 Mr. Richard Ensminger Shimmer Pictures
 61-0069 Mr. John Tyler Underwater Experiment

62-0002 Mr. Don Webb (Special Equipment)
 62-0006 Mr. Al Boileau (180 Degree Colored) (Jan 29 1962)
 62-0009 Mr. Don Webb (Special Equipment)
 62-0012 Mr. Dave Hooton (Copies Milling Machine NEL
 62-0014 Mr. Bruce Ruff Mr. Al Boileau (180 Degree Lens)
 62-0016 Dr. Duntley Model of the Tower for Diamond Island
 62-0017 Machine Shop O Ring Cutter
 62-0028 Mrs. Jackie Gordon (Helmet A.S.R.) Search light May 9 1962
 62-0029 Mr. Al Boileau Spectrophotometer
 62-0032 Mr. John Tyler a Drawing on an Aquarium (Special 15) 1 slide
 62-0036 Mr. John Tyler 1. The Snell Pigtures of 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 Shipped to D. I (Special)
 62-0039 Dr. Taylor (Tank) No Negative
 62-0042 Mr. Tyler Special Equipment (Special 17)
 62-0043 Mr. Al Boileau (Equipment Airborne Turbidity Meter
 62-0050 Mr. Tyler Equipment (Special 18)
 62-0057 Mr. Al Boileau Lights Airplane

63-0001 Mr. Al Boileau (Dick J.) Equipment (Trailer & Airplanes)
 63-0003 Dr. Duntley The Transmissometer Report (Large Negative)
 63-0004 Dr. Taylor Special Equipment Vision Target 1 Slide
 63-0006 Mr. Jim Harris Special Equipment (503)
 63-0014 Mr. Jim Harris (A line up grid for Simulator)
 63-0016 Mr. Richard Ensminger Special Equipment
 63-0017 Dr. John Taylor Vision Dr. Duntley 1 Slide
 63-0018 Mr. Austin Special Fog
 63-0019 Mr. Jim Harris Special Equipment
 63-0021 Probe Pressure Balance Meter (C-130) (Large Negative)
 63-0022 Mr. Tyler (Series of Negative made) Prints 2 Each (Special 20)
 63-0023 Mr. Al Boileau Photometer Temperature (c-130) Large Negative
 63-0024 Dr. Taylor Tank & Van Shadow Targets
 63-0026 Mr. Tyler (Special 21 Negatives)
 63-0027 Dr. Taylor Targets
 63-0032 Mr. Bruce Ruff N.B.T.
 63-0034 Radi Scanner
 63-0036 Operation Analysis of Satellite Recon.,
 63-0038 Bob Stapleford .042

MISC., SPECIAL EQUIPMENT

59-0034 Dr. Duntley The Searchlight Program
 59-0036() Mr. Austin The Searchlight Program
 (in with 59-0034)
 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
 59-0045(10) Mr. Jim Harris The Searchlight Program
 59-0046(1) Mr. Jim Harris The T.V. Program

60-0003() Mr. Tyler The Integrating Sphere
 60-0004() Dr. Duntley Sphere Simulator
 60-0005() Dr. Duntley The Portable View Box
 60-0007() Dr. Taylor Aperture
 60-0014() Mr. Tyler Underwater Nepelometer
 60-0017() Dr. Duntley The Diver 3 slides
 60-0028() Mr. Austin Igloo Research ✓
 60-0038() Mr. Ed. Martz Gonio
 60-0039() Mr. Richard Ensminger T.V. Marker
 60-0044() Dr. Taylor V.T.C. Ex I
 60-0045() Mr. Al Boileau 180 Degree Camera Lense
 60-0046() Dr. Duntley M.R.M. Meter
 60-0049() Mr. Jim Harris Regulated Voltage Supply
 60-0050() Mr. Al Boileau Light Diffuse E Meter Cap
 60-0060() Mr. Al Boileau E Meter E Meter Cap

61-0003() Mr. John Tyler Alpha Meter
 61-0008() Mr. Richard Ensminger Logarithmic Photometer System
 61-0014() Mr. Tyler (Copy)
 61-0016() Dr. Duntley Polaroid Shots of Barge Point Glass
 61-0017() Dr. Duntley Lathe Shots Showing How Sea Surfaces are made
 61-0021() Mrs. Jackie Gordon (61-0025) also for the conference
 April 24 thru 26th 1961 slides

61-0025() Camera Gonio
 61-0027() Dr. Taylor Conference 24th thru 26th 1961 slides
 61-0034() Dr. Duntley A Telescanner
 61-0035() Dr. Duntley Air Borne Turbidity Meter (Special Equipment)
 61-0038() Dr. Duntley (Special Equipment)
 61-0045() Dr. Duntley Underwater Light Pattern 35mm Negatives
 61-0047() Dr. Duntley (Special Equipment) Slides
 61-0049() Mr. Tyler Spectrograph 1 slide
 61-0054() Mr. Dave Hooton Special Equipment
 61-0056() Mr. Tyler Charts & Special Equipment National Science
 Foundation 14 slides

1958 --- 1959

MISC., EQUIPMENT SPECIAL

- 58-0003 Mr. J.J. Rennilson Bar Photometer
58-0004 Mr. Jim Harris Field Test Equipment
58-0006 Dr. Duntley Inshore Control Panel
58-0008 Dr. Duntley (Photo Taken From ManHigh 11 Operation)
58-0009 Copy "Schematic 3-4-5 Photometer Chassis
58-0010 Dr. Taylor Star Photometer 1 Negative Missing
58-0012 Mr. Jim Harris Hook Discriminator
58-0019(1) Dr. Duntley (Dr. Simmons) Sun Photo
58-0020(1) Dr. Duntley Recognizer
58-0021(1) Mr. Jim Harris Ozalid
58-0022(1) Mr. Jim Harris Splash Detector on Beach Location
58-0025(2) Mr. Jim Harris Hook Lab Display for Vis Lab
58-0029(1) Mr. Jim Harris for Report of Vis Lab (Bob Sandberg at Wheel)
58-0032(7) Mr. Al Boileau Spectra Spot Photometer Balloon Ascension
58-0033(8) Dr. Duntley Mr. Otto Windson (Pertaining to Instrument ManHigh 111
58-0034(1) Dr. Duntley Water Clarity Meter(11) Negatives are in two envelopes
58-0036(1) Dr. Duntley Sea State Simulator
58-0037(2) Dr. Taylor Spot Photometer & Meter Unit
58-0039(1) Mirco Wave Refractometer
58-0040(3) I.S.C. Meter Mr. Austin
58-0042(1) Mr. Al Boileau a Mirco Wave Refractometer
58-0043(1) Barrel Meter Dr. Duntley Special Equipment
58-0044(1) The Tank Mr. Tyler Special Equipment
58-0045(6) Prints made from Negatives belonging to Mr. Rassman
Prints were made for Dr. Duntley and a set for Mr. Tyler
Negatives returned to Mr. Tyler on Sept 16 1958
Negatives are now in our Negative File
58-0046(1) Mr. Austin Ballistic Missile I.S.C.M.
58-0049(1) Mr. Austin & Mr. Tyler Underwater Photometer
58-0050(4) Dr. Taylor (Small Spots for S.A.C.)
58-0051() Mr. Tyler The Alpha Meter
58-0052() Mr. Austin The Beta Meter
59-0002(10) Mr. Austin Water Clarity Meter 1/6/59 also Instruction Manual Data
59-0006() Electronic Blinker Light
59-0009(2) Mr. Tyler Telephotometer (Drawing)
59-0010(2) Mr. Austin Water Clarity Meter Date of Shipment 1/30/59 No Negatives
59-0011(1) Mr. Al Boileau Cook Turbidity Meter
59-0012() Mrs. Jackie Godon Black (Assimilation)
59-0013(3) Dr. Duntley a gonio Report
59-0014() Dr. Duntley & Dr. Taylor Light Project 35 Negatives
59-0017() Dr. Duntley & Mr. Austin Gonio Project
59-0024() Mr. Ed. Martz Cloud Finder
59-0026() Mr. Austin Clarity Meter Shipped 7/21/59
Underwater Transmisometer
59-0030(3) Mr. Jim Harris Scape Pier
59-0031(2) Mr. Richard Johnson Nuclei Counter

MISC., SPECIAL EQUIPMENT

55-00226 Reflex Telephotometer (Studio Shot)
 55-00258 Hook Lense Testing Aparatus
 55-00273 Spectrophotometer with Chassis Meter
 55-00281 Underwater Flare
 55-00285 Transmission Densitometer inside View
 55-00286 Transmission Densitometer close up Project Head
 55-00287 Transmission Densitometer side View being Projected
 55-00301 K Meter Mr. Al Boileau
 55-00302 K Meter in Water
 55-00303 Beta Meter
 55-00332 Gonio Photometer & Recorder
 55-00333 Drawing View Underwater Spectrophotometer
 55-00349 Drawing on Maul Calibrator
 55-00381 Compare of Angular Rates of Changes
 55-00383 Line Drawing of High Speed Spectrophotometer
 55-00384 Brown Recorder Rule for Lower E & Y Scales
 55-00387 Alteration for Bldg., 347
 55-00394 Calibration Rules
 55-00400 Hydrophotometer (Beta Meter)
 55-00427 Tank & Soldier Model Set up
 55-00433 B-36 Flight
 55-00435 Dr. Duntley M.R. Meter
 55-00437 Special Equipment
 55-00438 Special Equipment

 56-0001 Decay Meter (Frank Howard's) No Negatives
 56-0026 White Cap Telephotometer & Instrument
 56-0027 White Cap Simulator Screen & Receiver Tube
 56-0044 Snarkel Simulator (Photo Cell Unit for Jim Harris)
 56-0049 Wave Cap Project Grey Scales
 56-0060 Testing Tank Mr. Tyler

 57-0001 Missile Meter Dr. Duntley
 57-0008 Nepelometer Mr. Tyler Underwater Gear
 57-0013 High Voltage Regulated power Supply
 57-0017 Spot Photometer
 57-0018 Sun Photometer used on Plane Mr. Pinkham at the Instrument
 57-0022 Shimmer Meter
 57-0023 Underwater Photometer Mr. Tyler
 57-0024 Machine on Sun Dial Pertaing to work on Sun Dial
 57-0035 Sunphotometer
 57-0036 Missile Meter
 57-0039 Mr. Al Boileau Rules
 57-0043 Underwater Transmission Meter in Shore Survey
 57-0044 Y Meter a New Cap Mr. Al Boileau also 55-00223
 57-0047 Destroyer (a-b) Dr. Duntley
 57-0048 Belt Scanner Jim Harris
 57-0052 Missile Meter Dr. Duntley
 57-0056 Belt Scanner
 57-0058 Photo of Checkerboard Scanner
 57-0059 Exploded View of Checkerboard Scanner
 57-0062 Destroyer Front & Rear View of Model
 57-0065 Mr. Tyler & Mr. Richardson Photo Cell Cover
 Flat Plate Collector

FOG EXPERIMENT

| | | |
|---------|---------------|----------------|
| 62-0044 | Mr. R. Austin | Fog Experiment |
| 63-0018 | Mr. R. Austin | Fog Experiment |
| 63-0057 | Mr. R. Austin | FOG REPORT |

GEMINI PROJECT

| | | |
|----------|---------|--|
| 4/20/64 | 64-0024 | Vision Testor Project Gemini Dr. Taylor |
| 5/7/64 | 64-0028 | N A S A Gemini Proposal Dr. Taylor Automation Presentation Material |
| 5/19/64 | 64-0040 | 4 to 1 Rectangle Target Gemini Pyschological Ex., |
| 5/20/64 | 64-0041 | John Taylor Project Gemini Head Dimensions |
| 7/23/64 | 64-0054 | John Taylor Gemini 9 Slides |
| 7/24/64 | 64-0055 | In-flight Vision Testor |
| 7/29/64 | 64-0060 | Photometer Gemini Project |
| 7/31/64 | 64-0061 | In-Flight Photometer In-Flight Vision Testor Gemini Project |
| 10/12/64 | 64-0071 | Gemini Visual Performance Modes |
| 10/12/64 | 64-0072 | Gemini Environmental Factors |
| 10/12/64 | 64-0073 | Gemini Visual Rasks in Space |

1960

GENERAL PHOTOS

60-0006 Mr. J.J. Rennilson Spectral Analysis Plus X
60-0007 Dr. John Taylor Aperture
60-0008 Mr. Austin No Negative
60-0025 Mr. J.J. Reenilson Lense Test

61-0005 Air Port Visibility 2 Slides
61-0007 Mr. Bob Howarth Targets and Grey Scales
61-0009 Dr. Taylor Strobe Disk
61-0033 Mrs. Peggy Chruch (Special)
61-0048 Mr. Leo Rogers (Plastic)
61-0058 Dr. Duntley Underwater Specimen or Experiment
61-0062 Dr. John Taylor

62-0013 Dr. John Taylor B.T.C. Targets
62-0015 Nikon Lense Kit
62-0030 Dr. Duntley Diamond Island
62-0049 Square Laws Filter Scope Square Wedge
62-0053 Mr. Jim Harris (S) Washington (503 TARGETS)
62-0059 Mr. Jim Harris (S) Washington
Large Negative also some small Negatives

63-0002 Dr. Taylor (Air & Water Experiment)
63-0008 Mr. John Tyler Passport
63-0009 Dr. Taylor Passport
63-0020 Mr. Al Boileau Aerial Photo San Diego Photo (large Negative)
63-0040 Title on Slides
63-0041 Title Block on Engineer Drawings
63-0051 Roof Top Scanner High Speed Camera (Check Out)
63-0056 Roof Top Scanner (503)

64-0010 Mr. Ira Resnick Off the Point
64-0017 Mr. Jim Harris (3 Box EXPOSURE TRAIL (35mm)
64-0025 Laboratory Location Map CONFERENCE 4/27/64
64-0028 Dr. Taylor Automation Presentation Material
64-0032 Door of Bldg., 339
64-0033 Torky's I. D. Photograph
64-0043 Nikon Camera Instruction Book

GENERAL PHOTOS

55-00288 Instrument House on top of Bldg.,
 55-00289 Silhouette of B-47 & B-36
 55-00293 Match of Plates with B-47
 55-00294 Match of Plates with B-47
 55-00295 Reynolds Wrap or Plate Match with B-47 Plate
 55-00299 Rudy's Globe
 55-00313 Plate Match B-47 Surface
 55-00318 Plate Match
 55-00325 Darkroom Plane
 55-00319 Visibility from Aircraft 1954 Dr. Duntley's paper
 55-00330 Al Test Plate
 55-00331 Air line Ticket
 55-00332 Gonio Photometer & Recorder
 55-00334 Polar Graph
 55-00358 Chem-illumination (Experiment)
 55-00360 Development Chart
 55-00364 Thermal Expansion apparatus
 55-00363 Lantern Slide Labels
 55-00381 Compare of Angular Rates of Changes
 55-00349 Drawing of Malus Calibrator
 55-00412 S Frame # I (Special Dr. Ballard)
 55-00412 Inside of B-29
 55-00411 Spencer Baird
 55-00413 Underwater Flare Report
 55-00419 Negative of Label University of Calif., Scripps
 55-00423 Interior & Extension View of Vis Lab
 55-00432 Copies (Underwater)
 55-00344 Robot Calibration
 55-00427 Tank and Soldier model Set up

56-0001 Decay Meter (No Negatives Frank Howard's)
 56-0005 Underwater Wigwam (Scripps)
 56-0007 Observer Psychophysics Tunnel
 56-0031 Beta Meter No Negative
 56-0036 Electronic parts
 56-0039 Curves for July S.A.C. Report
 56-0041 Dr. Taylor Trip on Destroyer
 56-0051 Bull Pup Symbol
 56-0053 Reg. of Vis Lab 'The State Car)

57-0014 Airplane B-29 Slight Accident (Captain Barron)
 57-0034 Dr. Talling Negatives given to him
 57-0037 Underwater Photometer Lake Pond Oreille

58-0001 Coast Guard Flare
 58-0013 Award the Vision Committee Dr. Ballard Gave Neg., to Dr. Ballard
 58-0014 Dr. Duntley Experiment

59-0033 Mrs. Jackie Gordon Destroyers

HUGO SPECIAL

62-0041 Mr. Jim Harris (Hugo Special)

MISC., PHOTOS

55-00085 Copy of Aerial View of Submerged Sub.,
55-00095 Photograph of Trailer
55-00137 Underwater Photometer Panel 360 Dial
55-00141 Vapor Trail made by Commander Brown
55-00142 Machine Shop (8/53/) Machine Side
55-00143 Machine Shop (8/53/) Machine side
55-00144 Machine Shop (8/53/) Bench side
55-00148 Electronic Lab (8/53/)
55-00149 Electronic Lab (8/53/)
55-00185 Cover for High Sun Photograph
55-00195 Bureau of Standard

MOVIE FLARE

55-00226 Reflex Telephotometer (Studio Shot)
55-00230 Movie Studio-wide angle of Control Panel
55-00231 Shot of Projector and Screen
55-00232 Lights onScreen
55-00271 Copy Cloud Formation
55-00272 Hexagonal Patterns (Dr. Duntley)

Flare Program

55-00279 Underwater Flare (Rack being lowered into water)
55-00280 Underwater Flare (Shipboard Shot of Flare Rigging)
55-00282 Underwater Flare Placing in Rack
55-00283 Underwater Flare Brown Recorder Rack
55-00284 Underwater Flare Close up of Flare Rack
60-0024 Mr. Austin Copies of the Flares for a Report May 26 1960

M.R. PHOTO

55-00027 M.R.11 Optical Arrangement only Neg. 5 X 7
55-00028 M.R.11 Back of Control Panel
55-00029 M.R.11 Control Panel & Recorder
55-00030 M.R.11 Optical Arrangement & Control Panel
55-00075 M.R.111 Taken by Garage in Driveway
55-00167 M.R.11 At Diamond Island
55-00179 M.R.1 At Diamond Island
55-00168 M.R.11 At Diamond Island
55-00169 M.R.11 Brown Recorder unit for M.R. 11
55-00171 M.R.11 At Diamond Island
55-00172 M.R.11 At Diamond Island general View showing recording Cabinet
55-00173 M.R.11 At Diamond Island
55-00174 M.R.11 At Diamond Island
55-00175 M.R.11 At Diamond Island Close up
55-00176 M.R.11 At Diamond Island High View looking down on M.R. 11A
55-00177 M.R.11 At Diamond Island close up of M.R. and recording Cabinet
55-00178 M.R.11 At Diamond Island General View showing the recording Cabinet

PHOTOMETER

55-00031 Photometer Chassis Template for top of Chassis
55-00032 Photometer Chassis Underside View
55-00033 Photometer Chassis Side View Shows Compensators
55-00034 Photometer Chassis Underside View
55-00035 Photometer Chassis Top View Compement Lay out
55-00134 Four Log Photometer Chassis Front View
55-00135 Four Log Photometer Chassis Top View
55-00136 Four Log Photometer Chassis Bottom View
55-00146 Transmission densitometer close up of Project Head
55-00147 Transmission densitometer close up of Project Head

N.O.T.S.

| | | | |
|------------|---|------------|----------|
| 62-0034(3) | Mrs. Jackie Gordon Trailer | Van | N.O.T.S. |
| 62-0035(3) | Mrs. Jackie Gordon Tanks | N.O.T.S. | |
| 62-0046() | Mrs. Jackie Gordon N.O.T.S. (on the Lot) | China Lake | |
| | 200 Ft 35mm Taken 1000 Ft of 70 mm "2" in the | | |
| | Regular Negative File | | |
| 63-0028 | Dick Ensminger N.O.T.S. (Large Negative) | | |
| 63-0029 | Gonio Model Photo (Large Negative also Series of 35mm | | |
| | Negative) file in Box with Data Material (Yellow Box) | | |
| | in Large file Lower Drawer | | |
| 63-0007 | Van Target N. O. T. S. (35mm) Negative | | |
| | Shows Effect of not being Properly Oriented with Sun | | |
| 64-0047 | Ground Station for N.O.T.S. | | |
| 64-0048 | Camera Pod for N.O.T.S. | | |
| 64-0049 | N.O.T.S. CHARLIE RANGE 4000" | | |

OPTICS

6/20/63

63-0037

Electronic

1 Slide

PAHRUMP FIELD TEST

- 8/15/63 63-0049
Pahrump Field Test
4 X 5 Negatives also 35mm
1 st Field Test on August 15 1963
2 rd Test Sept 3rd 1963
3 rd Test Sept 17th 1963
- 3/18/64 64-0018
Pahrump Grey Scale Camera
(Copy of Paste-up (Showing Grey Scale Insert))
- 6/22/64 64-0050
Pahrump Handbook
19 Envelopes of 35mm (1 Color) 29 4" X 5" Negatives

PERTAINING TO THE EYE

| | | |
|---------|------------|--|
| 64-0051 | Dr. Taylor | Eye (E) |
| 64-0024 | Dr. Taylor | Vision Tester Project Gemini |
| 63-0002 | Dr. Taylor | Air and Water Experiment |
| 63-0007 | Dr. Taylor | Charts (Large Negatives) |
| 63-0017 | Dr. Taylor | Dr. Duntley Vision |
| 63-0024 | Dr. Taylor | Tanks & Van Shadow Targets (Large Negatives) |
| 63-0027 | Dr. Taylor | Targets |
| 63-0064 | Dr. Taylor | Diagram of Vertical Section of Typical Teleost Eye Some of the other Negatives belong to Mr. Tyler |
| 62-0008 | Dr. Taylor | Charts |
| 62-0051 | Dr. Taylor | Charts |
| 62-0058 | Dr. Taylor | Vision Charts |
| 62-0060 | | Chart for Report |
| 61-0012 | Dr. Taylor | Charts for Washington |
| 61-0002 | Dr. Taylor | Charts |
| 61-0035 | Dr. Taylor | Airborne Turbidity Meter |
| 61-0009 | Dr. Taylor | Strobe Disk |
| 61-0039 | Dr. Taylor | Charts |
| 61-0055 | Dr. Taylor | Charts |
| 61-0059 | Dr. Taylor | Instrument Special |
| 61-0062 | Dr. Taylor | Observer |
| 61-0065 | Dr. Taylor | Wavelength |
| 61-0067 | Dr. Taylor | Eye Article |
| 60-0018 | Dr. Taylor | Charts |
| 60-0001 | | Material Pertaining to the Eye |
| 60-0021 | Dr. Taylor | Charts |
| 60-0026 | | Relative Efficiency of the Naked Eye |
| 60-0031 | | Wavelength V.S. Thickness Wratten 78 AA Filter |
| 60-0032 | | Threshold Contrast |
| 60-0048 | Dr. Taylor | Charts |
| 60-0058 | Dr. Taylor | Star Study |
| 59-0003 | | Star Navigation Test Set Up |
| 58-0010 | Dr. Taylor | Star Photometer |
| 58-0015 | | Star Photometer Dr. Taylor |
| 58-0035 | Dr. Taylor | Calibration Curve of Spot Photometer |
| 58-0037 | Dr. Taylor | Spot Photometer & Meter |
| 58-0050 | Dr. Taylor | Small Spots used for S.A.C. |
| 56-0018 | | Target as seen by Observer in Viewing Tunnel |
| 56-0041 | Dr. Taylor | trip on Destroyer with planes |
| 56-0046 | Dr. Morris | Plane Targets |

RADAR

3/13/64 64-0015 Mr. Jim Harris Radar Van Classification V.T.C.
2 Slides

RADI

| | | | |
|---------|---------|--------------------------|----------------|
| 5/18/64 | 64-0039 | Control Console for Radi | Film Scanner |
| 7/17/64 | 64-0053 | Mr. Jim Harris Radi | 6 Slides |
| 7/24/64 | 64-0056 | Radi Report Figure 4 | Ben Mc Glamery |
| 7/24/64 | 64-0057 | Radi Target | Jim Harris |
| 8/20/64 | 64-0065 | Radi Target | |

RADI

| | | |
|----------|---|-----------------|
| 4/13/61 | 61-0024 Mr. Jim Harris Radi Project | 4 Slides |
| 11/21/61 | 61-0068 Mr. Jim Harris Radi Charts (Washington Dec 4 1961 | 12 Slides |
| 1/18/62 | 62-0003(5) Mr. Jim Harris Negative 61-0020 and 61-0042 were used (Denver 1/22/62 | 9 Slides |
| 1/24/62 | 62-0005() Mr. Jim Harris Radi Intergration Noise (2 Envelopes of Negatives 35mm) | |
| 8/30/62 | 62-0048() Mr. Jim Harris Radi <i>140 mag</i> 10 Step Grey Scale | |
| 2/26/63 | 63-0010() MR. JIM HARRIS ARPA DISTORTED ILLUSTRATION | RADI 1 Slide |
| 3/4/63 | 63-0013 Mr. Jim Harris Typical Spatial Frequency | Radi |
| 7/12/63 | 63-0044() Mr. Richard Ensminger Drawing of Discovery Satellite | |
| 6/20/63 | 63-0034 Radi Scanner | |
| 4/17/64 | 64-0022 Project Radi Test Targets Ben Mc Glamery | |
| 5/13/64 | Mr. Jim Harris (Scrap Neg) Figure "4" S) | RADI 64-0030 |

SEA STATE METER

| | | |
|----------|---------------------------|---|
| 55-00001 | Sea State Meter (1952) | Angle View Shows Neg 5 x 7 Recording Drawer |
| 55-00002 | Sea State Meter (1952) | Control Panel close up azimuth Dial Neg 5 X 7 |
| 55-00003 | Sea State Meter (1952) | Rear of Control Panel Neg 5 X 7 |
| 55-00004 | Sea State Meter (1952) | Front of Control Panel Neg 5 X 7 |
| 55-00005 | Sea State Meter (1951) | Electronic Frame Control |
| 55-00006 | Sea State Meter (1951) | Electrode frame and Central Panel |
| 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 Anemometero in use |
| 55-00011 | Sea State Meter | Control Panel |
| 55-00012 | Sea State Meter | Top Connection of Electrodes |
| 55-00013 | Sea State Meter | Electrodes N.E. Finkelstien D.I. |
| 55-00074 | Sea State Meter | Ranging Tower at D. I. |
| 55-00076 | Sea State Meter | Studio Shots |
| 55-00081 | Sea State Meter | Close up of water Surface (Copy) |
| 55-00083 | Sea State Meter | Full View |
| 55-00084 | Loading Sea State Meter & | Underwater Photometer |
| 55-00122 | Sea State Meter D.C. | Amplifier |
| 55-00160 | Sea State Meter | in Operation |
| 55-00161 | Sea State Meter | in Operation showing tower, floats |
| 55-00163 | Sea State Meter | Close up in the water |
| 55-00164 | Sea State Meter | in operation |
| 55-00424 | Sea State Meter | D.I. |
| 55-00162 | Sea State Meter | Control Panel |

SKY STATE METER

| | | |
|----------|-----------------|---------------------------------------|
| 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 |
| 55-00077 | Sky State Meter | H. Ball |
| 55-00083 | Sky State Meter | Full View |
| 55-00096 | Sky State Meter | with Hut |

SPECTROGEOGRAPH

| | |
|-----------------|--|
| 55-00100 | Spectrogeograph |
| 55-00181 | Spectrogeograph - Black Diagram |
| 55-00201 | Spectrogeograph Close up Measuring Device for Spectrum |
| 55-00202 | Spectrogeograph Front View with I.D. Camera |
| 55-00204 | Spectrogeograph Cardboard Damper used to slow down action of Scanner |
| 55-00203 | Spectrogeograph Recording unit on Stand |
| 55-00205 | Spectrogeograph Line Drawing |
| 55-00206 | Spectrogeograph Shot with Instruments connected and separate tables |
| 55-00207 | Spectrogeograph Close up Early Scanning Device |
| 55-00348 | Spectrogeograph Drawing Periscope assembly (Drawing) |
| 55-00350 | Spectrogeograph Drawing Scanner Assembly |
| 55-00371 | Spectrogeograph B-29 Installation |
| <u>55-00257</u> | Spectrogeograph <u>CONFIDENTIAL FILE</u> |

SPHERES

| | |
|----------|---|
| 55-00097 | Plane in Sphere close up showing suspension |
| 55-00098 | Hulbuds Sky Rubber Balls |
| 55-00099 | " " " " |
| 55-00138 | Sphere Half open with Al Boileau in the Photo |
| 55-00139 | Sphere Showing Plane Suspension |
| 55-00140 | Uncompleted Sphere Mr. Al Boileau holding the plane |
| 55-00234 | Plastic Beam for the Plane Support of B-36 |
| 55-00235 | Plane mounting for New Sphere showing B-47 and lights |
| 55-00236 | Showing Bob Maloney Painting the Spheres |
| 55-00237 | Showing they are laid out for the Painting |
| 55-00238 | Model of B-47 How the models were obtained |
| 55-00239 | Xmas ball in place for measuring intergrating effects |
| 55-00240 | Camera and mount in a sphere Hole or Port Hole |
| 55-00241 | Shot of all Spheres lined in rows |
| 55-00242 | " " " " " |
| 55-00243 | " " " " " |
| 55-00244 | " " " " " |
| 55-00245 | Open to show Model with power unit attached |
| 55-00246 | " " " " " " |
| 55-00247 | " " " " " " |
| 55-00248 | Night Sky Open View |
| 55-00249 | On Closed position with Camera in Place |
| 55-00315 | No Negative |
| 55-00317 | Liner for 12° Sphere |
| 55-00345 | B-52 Studio Shot Plane in Sphere |
| 55-00408 | <u>CONFIDENTIAL</u> |
| 56-0010 | Open Sphere new lights (used) (b-52) |
| 56-0011 | Close up model Sphere Support a (B-52) |
| 56-0013 | A Projector Illuminator for S.A.C. Report |
| 56-0018 | Target as seen by Observer in the Viewing Tunnel |

TELETYPE TAPE DISCRIMINATOR

7/29/64
8/20/64

64-0058
64-0066

The Teletype Tape Discriminator Dick Ensminger
The Teletype Tape Discriminator Dick Ensminger

Index to Vis Lab slide file

SAC 38

TRAILER

55-00095 Trailer
55-00233 Trailer side View Showing U.S. Painted on the side
55-00368 Trailer Scanner View
55-00388 Trailer No Negative (Equipment)
55-00389 Trailer Inside Trailer (Photos)
55-00390 Trailer Air Condition Units
55-00392 Trailer Vis Lab Sign Being Painted
55-00393 Ground Gonio Cut out with White Background
55-00404 Composite of instrument
55-00399 Trailer Gonio Photometer
55-00410 Equipment Outside Shots
55-00420 Fred Pinkham Standing by Trailer
56-0015 Airplane & Trailer pictures taken on the Florida Trip
56-0016 Copies of Recorder, tape samples taken on the Florida Trip
56-0032 Trailer over turned on the Campus
56-0054 Army Gonio Experiment
56-0055 Army Gonio Experiment
57-0011 Trailer Sky Scanner
63-0045 Trailer with Shade

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SAC 38

UNDERWATER PHOTOMETER

55-00014 Underwater Photometer Head Only
 55-00015 Underwater Photometer 1951 Central Panel & Recorder
 55-00016 Underwater Photometer 1951 Index to give Azimuth (Copy)
 55-00017 Underwater Photometer 1951 in S.D. Harbor (Copy)
 55-00018 Underwater Photometer 1951 Copy Shows unit and ball in S.D. Harbor
 55-00019 Underwater Photometer 1951 Copy Underside of Raft shows Photometer
 Mechanism
 55-00020 Underwater Photometer 1951 Close up of Head (Shows Takes)
 55-00021 Underwater Photometer 1951 (Copy Retouched to rename takes)
 55-00073 Copy of Retouched Photo underwater Photometer Circuit & Recorder
 55-00101 Underwater Photometer control Panel
 55-00180 Underwater Photometer Head Close up Head only
 55-00296 Coronado Island Trip underwater Photometer
 55-00305 Underwater Photometer in Operation (1953) March
 55-00379 Exploded View of Underwater Photo Head also 55-00403
 55-00405 Underwater Photometer turned upside down
 55-00186 Submarine Photometer Close up Disc., 187 over all View
 56-0023 Underwater Nephelometer Mr. Tyler
 56-0026 Telephotometer & Inst., Set of Prints of Wave Cap Simulator
 57-0006 Underwater Gear Diffuse Sphere collector Mr. Tyler
 57-0007 Scattering Sphere underwater gear Mr. Tyler
 57-0008 Nephelometer Underwater Gear Mr. Tyler
 57-0009 Specto Meter Mr. Tyler
 57-0010 Ratio Meter Mr. Tyler
 57-0016 Underwater Photometer test Tank Mr. Tyler
 57-0023 Underwater Photometer
 58-0002(35) Underwater Photometer taken at Lake Pond Oreilla

UNDERWATER T.V. PROGRAM

55-00320 Underwater Test Object Model
 55-00352 Rig for Photographing underwater Targets
 55-00357 Underwater T.V. Program (Trip Shots)
 55-00361 Underwater T.V. Program (Trip Shots)
 55-00373 Underwater T.V.
 55-00402 Up & Down Ratio Rig.,
 55-00400 Studio Shots Hydrophotometer Beta Meter
 55-00412 S Frame 1 Dr. Ballard T.V.
 56-0002 Underwater T.V. Set Up Dr. Ballard
 56-0003 Line Drawing Underwater T.V. Set up Dr. Ballard
 56-0004 Up & Down Ratio Read Dr. Ballard
 56-0008 Underwater T.V. Study Dr. Ballard CONFIDENTIAL FILE
 56-0014 Line Drawing T.V. Simulator Device Dr. Ballard
 56-0021 Simulator (56-0002) (Retouched) (Report)
 56-0022 Underwater Camera Case for Underwater T.V.

Add to VSI Lab Side File
 SAC: 28

Given to Mr. Boileau
April 1958

Mr. Al Boileau

55-00202 Spectrogeograph front View with I. D. Camera
55-00206 Spectrogeograph with Instruments
55-00278 Y Meter mounted on Airplane
55-00275 (4) Lower Sky Scanner
55-00275 (5) Lower Sky Scanner
55-00291 Lower Sky Scanner Airplane Mounting
55-00297 Airplane Inside Shots of Equipment
55-00298 (1) Upper Sky Scanner
55-00298 (7) Upper Sky Scanner
55-00324 (4) Installation of M.R. Meter on B-29
55-00324 (9) Installation of M.R. Meter on B-29
55-00368 (1) Trailer Sanner Multiple View
55-00371 (1) Spectrogeograph B-29 Installation
55-00371 (2) Spectrogeograph B-29 Installation

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Index to Vis-Lab slide file

REPRINTS & SLIDES

38

REPRINTS & SLIDES

| DATE | NAME | NEGATIVE | DESCRIPTION | SLIDES |
|---------|--------------------|-------------|---|-----------|
| 1/8/64 | Dr. Taylor | 63-0024 | Jim Harris Requested this Material | |
| 1/9/64 | Mr. Tyler | 63-0068 | Reprints Spacelight Spectrometer | |
| 2/14/64 | Mr. Jim Harris | 64-0004 | Jim Harris Sea State (Conf.) | 2 Slides |
| 2/17/64 | Mr. Tyler | 64-0005 | Chart Pacific Water | 4 Slides |
| 2/21/64 | Mr. Richardsib | 63-0033 | A R P A Distored A R P A Recovery Math Distortion and Actual Distortion on Scanner | |
| 2/3/64 | Mr. Jim Harris | 64-0015 | Radar Van Classification | 2 Slides |
| 4/15/64 | Mr. Jim Harris | 61-0013 | 61-0013 - 60-0036 - 60-0028 (503) | |
| 4/20/64 | Mrs. Jackie Gordon | 64-0044 | For the Air Force Conference | 12 Slides |
| 4/22/64 | Mrs. J. Gordon | 64-0014 | 19-20-26-16-4-21-18-10-11-12-13 also Negative from Jackie also Trip new Chart to be Copied also one of the Pod when N.O.T.S. China lake also 62-0046 also China Lake. 62-0057 - 63-0035 for Conference | 36 |
| 4/22/64 | Mr. Al Boileau | 63-0060 | Vision Testor Dr. Taylor | 9 Slides |
| 4/20/64 | Gemini Project | 64-0020 | For Conference | 2 Slides |
| 4/22/64 | Mr. Jim Harris | 64-0014(15) | Two Negative remade | 1 Slide |
| 5/1/64 | Mr. Tyler | 63-0068 | Radi (CONFIDENTIAL) | 3 Slides |
| 7/17/64 | Mr. Jim Harris | 64-0053 | Gemini Prints | 6 Slides |
| 6/24/64 | Mr. J. Lones | 64-0024 | Gemini | |
| 7/23/64 | Dr. Taylor | 64-0054 | Copies of Negatives given to Mr. Austin | 9 Slides |
| 7/30/64 | Gemini | 64-0055 | Pahrump Handbook | |
| 8/11/64 | D. Johnson | 64-0050 | Laser Lamp Diamond Island | 4 Slides |
| 8/18/64 | Dr. Duntley | 64-0064 | Passport (For Russia) | 90 |
| 9/10/64 | Mr. Tyler | 63-0008 | Laser Lamp Diamond Island | |
| 9/11/64 | Dr. Duntley | 64-0064 | In-Flight Vision Testor | 2 Slides |
| 9/24/64 | Dr. Dutley | 64-0061 | Temp and Hydrological Range Vs Depth | |
| 9/15/64 | Dr. Taylor | 64-0068 | | |

REPRINTS & SLIDES

| | | | |
|----------|---------|--|-----------|
| 8/6/63 | 62-0046 | Jackie Gordon (China Lake Report) Some Neg, 35mm & 70 MM Neg., which are in the regular Negative File N.O.T.S. | 171 |
| 8/22/63 | 63-0050 | Dr. Duntley Optical Chart Taken from a Book also a Neg., 60-0027 Chart | 2 Slides |
| 8/27/63 | 63-0031 | (CONFIDENTIAL NEG., 63-0031 61-0068-63-0031-63-0031 63-0031 Neg.,) 61-0013(1) 61-0013(28)61-0013(9) 61-0012(c)61-0013(a)60-0036(6) 60-0036(4) 63-0005(2) 63-0005(1) 62-0027-63-0019-61-0036 61-0068 55-00324(14) 63-0031-63-0046 Slides for Talk on 503 Prints also used for Reference | 8 Slides |
| 9/3/63 | 63-0033 | Distorted A R P A and Recovery Math Distortion and Actual Distortion on Scanner | |
| 10/18/63 | 63-0054 | Dr. Duntley Charts | 3 Slides |
| 10/10/63 | 63-0012 | Mr. Jim Harris (Noise Level (Large Negative) | |
| 10/24/63 | 63-0007 | Dr. Taylor (Charts) Extra Prints | 184 |
| 11/1/63 | 63-0061 | Mr. Al Boileau Charts (Speech) (also one Slide of 63-0060 (C-130) | 4 Slides |
| 11/12/63 | 63-0034 | Radi Scanner Prints | |
| 11/14/63 | 58-0023 | Dr. Taylor also 58-0051-59-0038-59-0007 60-0011-(2) 61-0056 | 10 Slides |
| 12/2/63 | 63-0026 | Special Equipment | 198 |

Index to V.S. Lab Slide File

SAC 38

REPRINTS & SLIDES

| | | | | |
|---------|------------------|---|-------------------|------------|
| 1/26/63 | Dr. Duntley | 56-0015 for report | 55-404 | |
| 1/28/63 | Dr. Duntley | 63-0003 (Large Negative) used for Report | | |
| | | Transmissometer (150 Prints made (63-2) | | |
| 2/4/63 | Dr. Taylor | 63-0004 Dr. Taylor Target Vision | | 1 Slide |
| 2/6/63 | Dr. Duntley | 63-0005 Dr. Duntley Equipment | | 9 Slide |
| 2/25/63 | Mr. Jim Harris | 61-0013-61-0040-61-0063-61-0068 | Several Negatives | |
| | | from these were used for Jim's Article also | | |
| | | used (63-0012) | | |
| 2/26/63 | Mr. Jim Harris | 63-0011 Radi (ARPA) | | 1 Slide |
| 3/7/63 | Dr. Taylor | 62-0051 Chart (Report) | 8" X 10" | Glossy |
| 3/19/63 | Dr. Duntley | | | |
| | & Dr. Taylor | | | |
| | | 63-0017 Vision | | 1 Slide |
| 3/26/63 | Mr. Jim Harris | 63-0021 Special Equipment | | 1 Slide |
| 4/2/63 | Mr. Tyler | 63-0022 Special Series of Negatives | | |
| | | (Special 20) | | |
| | | Scattering Meter Fully Assembled | | |
| | | Exp View Land Lamp House | | |
| | | Exp Photo Meter Circuit | | |
| | | Exp Photo Tube Housing | | |
| | | Calibration Attachment | | |
| 4/18/63 | Dr. Duntley | 63-0003 Transmissometer used for report | | |
| 4/19/63 | Mr. Jim Harris | (61-0013) 60-0045(c) 60-0036(7) 63-0005 | | |
| | | (4-15-16) 60-0028(2) 60-0028(1) 55-00324 | | |
| | | (12-13-14) 61-0036 Several of the Negatives | | |
| | | ((g) 28) were used from 61-0013 | | 150 Slides |
| 5/6/63 | Mr. Tyler | 62-0036 Special (Reprints) Scatter meter | | |
| | | (S No 16) H.P.T. | | 5 Slides |
| | | Double Beam Motor | | |
| | | View Lamp House | | |
| 5/14/63 | Mr. Dick Johnson | 63-0025 Equipment (C-130 Airplane) | | |
| 6/11/63 | Mr. Tyler | 63-0030 Chart (Special 22) | | 2 Slides |
| 6/27/63 | Mr. Jim Harris | 63-0031-62-0019-63-0005-61-0036-60-0045 | | |
| | | 61-0013-61-0068-60-0036 | | |
| | | 63-003(1) 35mm 62-0027-55-00324 57-0052 | | |
| 7/5/63 | Dr. Duntley | 63-0033-63-0031-60-0036-63-0019-63-0012 | 63-0022 | |
| | | 61-0068-63-00013(4-9-f C- 57-0036 | 63-0039 | |
| 6/20/63 | Optics | Electronics | | 1 Slide |

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REPRINTS & SLIDES

| | | | | |
|----------|-----------------------|---------|--|-------------------|
| 9/20/62 | Mr. Tyler | 62-0042 | (SPECIAL 17)(Scattering Meter) | 100 |
| 9/24/62 | Dr. Duntley | 61-0063 | T.V. Experiment | 61-0068 |
| 9/25/62 | Mr. Al Boileau | 62-0043 | Air Borne Turbidity Meter | |
| 10/25/62 | Mrs. J. Gordon | 62-0021 | Charts 61-0025-61-0051-59-0013 | |
| | | | 61-0021-60-0056-59-0037 | |
| | | | 55-0022-55-00391-56-0054 | |
| 10/26/62 | Mr. Tyler | 62-0018 | The Tower for Diamond Island | |
| 10/29/62 | Mr. Al Boileau | 62-0054 | Charts for Speech | 7 Slides 7 Slides |
| 11/ 1/62 | Mrs. J. Gordon | 62-0046 | N.O.T.S. Project also 35mm Neg., | |
| 11/12/62 | Mrs. Jackie Gordon | 62-0046 | N.O.T.S. Project Prints 35mm (18 Prints) | |
| 11/20/62 | Mr. Al Boileau | 61-0043 | Charts Prints Made | 107 |
| 11/30/62 | Dr. Taylor | 62-0051 | Charts | |

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SAC 38

1961

REPRINTS & SLIDES

| DATE | NAME | NEGATIVE NO. | DESCRIPTION | SLIDES |
|---------|----------------|--------------|--|------------------|
| 1/10/62 | Mr. Jim Harris | 62-0003 | Radi Special | |
| 1/18/62 | Mr. Jim Harris | 62-0003 | Radi also 61-0020 and 61-0042 | <u>9 Slides</u> |
| 2/5/62 | Dr. Duntley | 61-0047 | Charts & Film Strip (62-0016 for Dr. Duntley (Article)) | |
| 2/5/62 | Mr. Jim Harris | 61-0052 | Carrier Airplane Carrier Film Strip | |
| 2/7/62 | Mr. Jim Harris | 61-0068 | Jim Harris Charts Washington 12/4/61 | |
| 2/7/62 | Mr. Jim Harris | 61-0013 | Jim Harris used in report 12/4/61 | |
| 3/12/62 | Mr. Jim Harris | 61-0042 | Jim Harris used in Report 3/12/62 | |
| 3/14/62 | Mr. Jim Harris | 61-0041 | Jim Harris Charts Ozalid Masters 61-0042 and 62-0003 and 62-0018(Conf.) for Mr. Jim Harris Report 62-4 | |
| 3/28/62 | Mr. Jim Harris | 62-0014 | V.T.C. Program | <u>6 Slides</u> |
| 3/29/62 | Dr. Duntley | 62-0016 | The Model of Tower D.I. | <u>1 Slide</u> |
| 4/3/62 | Mr. Jim Harris | 62-0003 | 61-0003(7) 60-0045(1) 61-0020(1) 61-0052 60-0036(2) 61-0040(1) 61-0068(1) (503) | |
| 3/29/62 | Dr. Duntley | 62-0017 | Divers | <u>2 Slides</u> |
| 4/9/62 | Mr. Jim Harris | 62-0020 | Chart (<u>Confidential</u>) | <u>16 Slides</u> |
| 4/10/62 | Mrs. J. Gordon | 62-0021 | 61-0053 Airplane also Bull Pup 59-0013-61-0025-58-0036-56-0054 | <u>31 Slides</u> |
| 4/11/62 | Mr. Al Boileau | 62-0022 | Charts for Symposium | <u>16 Slides</u> |
| 4/12/62 | Mr. Richardson | 62-0023 | Chart for Symposium | <u>13 Slides</u> |
| 4/12/62 | Dr. Taylor | 62-0024 | Charts for Symposium | <u>1 Slide</u> |
| 4/26/62 | Mr. Jim Harris | 62-0026 | For Report of the Symposium 62-0024-62-0022-62-0021 61-0025-60-0036-59-0037-56-0048 59-0022-59-0013-56-0054-55-00225 | |
| 5/3/62 | Mr. Jim Harris | 62-0027 | Chart for talk at L.A. May 4-62 | <u>1 slide</u> |
| 5/11/62 | Mr. Al Boileau | 61-0043 | Charts (Prints made) | |
| 6/1/62 | Mr. Leo Rogers | 61-0048 | Reprints for His Report | |
| 6/6/62 | Mr. John Tyler | 62-0032 | Drawing of an Aquarium (Special 15) | <u>1 Slide</u> |
| 7/9/62 | Mr. John Tyler | 62-0036 | 62-0010 Chart 58-0049 Photometer (Spec 16) | |
| 7/16/62 | Dr. Duntley | 62-0016 | Charts 61-0047 Special 2 Neg., | |
| 7/18/62 | For Reports | 56-0048 | M.R. Photograph Calibration 59-0022 Chart | |
| 7/18/62 | Mr. Al Boileau | 62-0040 | Chart (Prints were made) | |
| 7/26/62 | Dr. Duntley | 62-0037 | Equipment for Diamond Island | |
| 8/30/62 | Mr. Jim Harris | 61-0013 | Radi Missile | <u>3 Slides</u> |

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1961

REPRINTS & SLIDES

| DATE | NAME | NEGATIVE NO. | DESCRIPTION | SLIDES |
|----------|----------------|--------------|---|-----------|
| | | | | 153 |
| 10/10/61 | Mr. Tyler | 61-0049 | (The Tank) | 1 Slide |
| 10/13/61 | Dr. Duntley | 61-0050 | For Speech Optical Society | 24 Slides |
| 10/18/61 | Mr. Al Boileau | 61-0036 | Air Plane (C130) Equip.,) | 1 Slide |
| 10/20/61 | Dr. Duntley | 61-0051 | Charts & Tanks | 11 Slides |
| | | | 6 Negatives in <u>Jim Harris (CONF.,)</u> | |
| 10/24/61 | Mr. Jim Harris | 61-0052 | Air Craft Carrier | 21 Slides |
| | | | Film Strip & Charts | 221 |
| | | | Dr. Duntley (CONFIDENTIAL) | |
| | | | 3 Slides in <u>Jim Harris (Conf., File)</u> | |
| 11/10/61 | Mr. Tyler | 61-0003 | 59-0038-61-0056 Jancie Meter or K | |
| | | | National Science Foundation | 15 Slides |
| 11/21/61 | Mr. J. Harris | 61-0058 | Radi Charts | 12 Slides |
| 11/27/61 | Mr. Tyler | 61-0069 | 35mm Underwater Experiment | |
| 11/30/61 | Dr. Duntley | 61-0047 | Bulb Film Underwater | |
| 12/6/61 | Mr. Tyler | 61-0069 | Reprints The Underwater Experiment | |
| 12/18/61 | Mr. J. Harris | 61-0063 | Reprints for Jim Harris | |
| 12/30/61 | Kay & Jackie | 61-0021 | B-52 also 61-0056 | 61-0053 |

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1961

REPRINTS & SLIDES

| DATE | NAME | NEGATIVE NO. | DESCRIPTION | SLIDES |
|---------|----------------|--------------|--|-----------|
| 1/31/61 | Mr. Al Boileau | 60-0045 | 180 Degree Camera | |
| 2/20/61 | Mr. Tyler | 60-0014 | Nepelometer 61-0003 | |
| 3/3/61 | Mr. Tyler | 60-0059 | Charts | |
| 3/2/61 | Mrs. Gordon | 60-0056 | Planes | 5 slides |
| 3/2/61 | Dr. Duntley | 60-0052 | Charts | 2 slides |
| 3/8/61 | J.J. Rennilson | 61-0005 | Charts | |
| 3/21/61 | Dr. Duntley | 61-0011 | Charts for trip 3/24/61 | 2 slides |
| 3/22/61 | Dr. Taylor | 61-0012 | Charts Speech Washington | 4 slides |
| 3/22/61 | Jim Harris | 61-0013 | Charts Taken (Washington) | 45 Slides |
| 4/4/61 | Dr. Taylor | 61-0009 | Strobe Disk Prints | |
| 4/7/61 | Dr. Duntley | 61-0023 | Charts | 9 slides |
| 4/11/61 | Mrs. Gordon | 61-0021 | B 52 used S.A.C. Report | |
| 4/13/61 | Radi | 61-0024 | Radi Project | 4 Slides |
| 4/19/61 | Mr. Boileau | 61-0026 | Mr. Boileau Charts | 11 Slides |
| 4/20/61 | Dr. Taylor | 61-0027 | Dr. Taylor | 2 slides |
| 4/21/61 | Mrs. Gordon | 59-0037 | 61-0028-61-0021 for Conference | 2 Slides |
| 4/24/61 | Mr. Austin | 60-0036 | For Conference thru 4/24/26/61 | 1 Slide |
| 5/11/61 | Mr. Tyler | 60-0011 | Reprints | |
| 5/24/61 | Mr. Boileau | 61-0030 | Charts | 6 Slides |
| 6/1/61 | Kay Fean | 59-0033 | Destroyer(Dr) Report 56-0054 Gonio(DR) 61-0025 Camera Gonio 60-0035 | |
| 6/5/61 | Mr. Boileau | 61-0031 | also Neg 60-0050 E Meter | 6 Slides |
| 6/9/61 | Jim Harris | 61-0013 | Reprints Washington 503 also Movie Strip 1 completer set also 2 set from movie strip | |
| 6/20/61 | Peggy Chruch | 55-00324 | 55-404(2Neg used from it.) | |
| 7/5/61 | Mr. Boileau | 61-0036 | Plane (C130) | 1 Slide |
| 7/14/61 | Mr. Boileau | 60-0045 | 180 degree Lens | |
| 7/21/61 | Dr. Taylor | 61-0005 | 60-0013-60-0031-60-60-0005 60-0061 Prints of Each | |
| 7/25/61 | Jim Harris | 61-0040 | Charts for Speech | 23 Slides |
| 9/13/61 | Mr. Boileau | 61-0043 | Charts | 7 Slides |
| 9/18/61 | Mr. Tyler | 61-0044 | Charts | 11 Slides |
| 9/28/61 | Mr. Boileau | 61-0046 | Charts | 4 slides |
| 10/2/61 | Dr. Duntley | 61-0047 | Film Strips Charts also 61-0038 | 8 slides |

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1960

REPRINTS & SLIDES

| DATE | NAME | NEGATIVE NO | INFORMATION | SLIDES |
|----------|--------------------|-------------|--|-----------------|
| 1/13/60 | Mr. Al Boileau | 60-0002 | Optic Efficiency | 1 slide |
| 1/13/60 | Dr. Duntley | 58-0014 | Form Discrimination | 2 slides |
| 1/14/60 | Dr. Duntley | 58-0034 | (2 Negatives 100 Each) | |
| 2/3/60 | Mr. Jim Harris | 58-0045 | Searchlight | |
| 3/7/60 | Mr. Tyler | 60-0011 | Charts Speech | 6 slides |
| 3/11/60 | Mr. Tyler | 60-0012 | Charts Speech | 3 slides |
| 3/28/60 | Mr. Tyler | 55-00402(1) | 58-0049-59-0038- 60-0016 59-0001 - 57-0023 | |
| 3/21/60 | Mr. Tyler | 60-0014(4) | Nepelometer underwater | 4 slides |
| 3/30/60 | Dr. Duntley | 60-0017(3) | The Diver | 3 slides |
| 3/6/60 | Mr. Austin | 55-00281 | 55-00282-55-00383-55-00384 underwater Flare Contact Prints 1 Each | |
| 4/19/60 | Mr. Tyler | 55-00402 | 57-0023-58-0049-59-0001 59-0038-60-0014-60-0016-60-0020 | |
| 5/16/60 | Mr. Tyler | 60-0020 | 60-0020 Charts | 5 slides |
| 5/18/60 | Dr. Duntley | 57-0036 | Florida trip 8½ X 11 Prints | 24 |
| 5/20/60 | Mr. Tyler | 55-00402 | 58-0034-59-0038-60-0014 Prints | |
| 5/31/60 | Dr. Taylor | 60-0015 | Charts Reprints | |
| 6/2/60 | Mr. Tyler | 58-0051 | 60-0014 Reprints 2 each | |
| 6-1-60 | Mr. Tyler | 55-00402 | 57-0023-58-0049-59-0038 60-0016-60-0022-60-0027-58-0034 | |
| 6/10/60 | Dr. Taylor | 55-00321 | Charts | |
| 6/15/60 | Dr. Duntley | 60-0017(3) | The Divers | 3 Slides |
| 6/30/60 | John Hood | 60-0033 | Painted Model used in research | 1 Slide |
| 6/30/60 | Dr. Taylor | 60-0034 | Charts | 10 Slide |
| 7/1/60 | Dr. Taylor | 55-00307 | Lammals (Contact Tables) | |
| 7/15/60 | Mr. Jim Harris | 59-0045 | 2 Copies of Targets The Searchlight Program | |
| 7/26/60 | Mr. Jim Harris | 59-0046(4) | Negative 9 copies I of each 59-0074 | |
| 7/26/60 | Dr. Preisendorfer | 60-0040(5) | Charts | 5 slides |
| 8/5/60 | Mr. Austin | 60-0036 | Report 50 Prints 1 Neg., | |
| 8-29/60 | Mr. Al Boileau | 60-0042 | Charts | 8 slides |
| 9/30/60 | Mr. Boileau | 60-0042 | Charts | 1 slide |
| 10/19/60 | Mr. Jim Harris | 57-0046(4) | Negatives 15 copies each 59-74 ² | |
| 11/2/60 | Mr. Al Boileau | 60-0045 | 12 Prints The 180 Degree lense Camera(Prints) | |
| 12/21/60 | Mr. J.J. Rennilson | 60-0061 | Report 60-16 Report also Neg., to be made 60-0005-60-0013- 60-0030 | 21 slides 73 |

1959

REPRINTS & SLIDES

| DATE | NAME | NEGATIVE NO | INFORMATION | SLIDES |
|----------|----------------|-------------|---|---------|
| 10/7/59 | Mr. Austin | 59-0034 | The Searchlight | 60 |
| 10/8/59 | Mr. Tyler | 55-00305(2) | Scripps 1 of Each 57-0016-57-0037 58-0034(2) | |
| 10/8/59 | Mr. Ed. Martz | 59-0037 | Spectra Brightness Spot Meter. | |
| 10/8/59 | Mr. Ed. Martz | 59-0044 | Charts | 3 slide |
| 11/13/59 | Mr. Jim Harris | 56-0044(6) | Wave Material 56-0026(3) 56-0033() 56-0044(7) 56-0026(4) 56-0044(3) 56-0044(I) 56-0027 56-0044(5) Roll(7 Seq 3 Fig 3-13 Roll Seq 3-9 Roll(II Seq 2 Fig 3-14 Roll 1 Seq 2 Fig 3-10 These Film strip in filed in Jim File in Photo Lab Moved Roll 5 I Fig 3-11 Roll 5 2 Fig 3-12 30 Copies of 4 Negatives for report Form of Chart | 63 |
| 12/10/59 | Mr. Jim Harris | 59-0046 | | |
| 12/22/59 | Dr. Taylor | 58-0014 | | |

1959

REPRINTS & SLIDES

| DATE | NAME | NEGATIVE NO. | INFORMATION | SLIDES |
|---------|----------------|--------------|--|----------------|
| 1/5/59 | MR. TYLER | 59-0001 | OCEANOGRAPHIC (Copies from Russian Paper) | 10 SLIDES |
| 1/23/59 | MR. TYLER | 59-0007 | Charts Negative for OZALID | 4 SLIDES |
| 1/28/59 | Mr. Tyler | 59-0009 | Mr. Tyler Telephotometer | 2 Slides |
| 1/28/59 | Mr. Tyler | 57-0023 | Telephotometer underwater | 16 |
| 2/12/59 | Mr. Tyler | 55-0023 | 8 X 10 Glossy 56-0023 57-0006 57-0008 57-0023 | |
| 3/14/59 | Mr. Tyler | 59-0001 | 8 X 10 Glossy | |
| 4/24/59 | Jim Harris | 59-0018 | No Neg., 1-8 Slides | 12 Slides |
| 3/18/59 | Rudy's | 59-0016 | | 2 slides |
| 4/2/59 | Mr. Austin | 59-0002 | Water Clariety Meter | |
| 4/6/59 | Mr. Martz | 59-0019 | | 3 slides |
| 4/30/59 | Mr. Tyler | 55-00402(D) | Ozalid Master (Xmas Tree) 57-0006(C) 57-0008(F) 57-0065(B) 58-0051(A) 58-0049(E) 57-0044(G) 57-0023(H) | 33 |
| 5/15/59 | Mr. Boileau | 59-0022 | | 13 Slides |
| 5/28/59 | Mr. Boileau | 59-0023 | Colored Negative Ozalid | |
| 6/10/59 | Mr. Tyler | 59-0009 | 1 Master Ozalid Work Sheet Telephotometer | |
| 6/16/59 | Mr. Boileau | 59-0023(17) | Master for Ozalid Work (Colored Negatives) | |
| 6/8/59 | Mr. Ed Martz | 59-0025 | Graph for Speech | 7 slides |
| 7/24/59 | Mr. Ed. Martz | 59-0027 | Graph for Speech Ozalid Master | 1 Slide |
| 8/10/59 | Mr. Jim Harris | 59-0018 | Visual Research also Prints | |
| 8/17/59 | Mr. Austin | 59-0026 | Underwater Transmissometer | |
| 9/11/59 | Mrs. J. Gordon | 56-0054 | Army Gonio Project (Report) | |
| 9/19/59 | Mr. Tyler | 57-0065 | Reprints five of each. | |
| 9/19/59 | Mr. Tyler | 58-0051 | " " " | |
| 9/21/59 | Dr. Duntley | 59-0032 | Charts Targets (Trip to east) | 2 slides |
| 9/24/59 | Rudy's | 59-0035 | Charts Local Interaction Principle | 4 slides 60 |

1958

REPRINTS & SLIDES

| DATE | NAME | NEGATIVE NO. | INFORMATION | SLIDES |
|----------|----------------|--------------------------------|---|----------|
| 10/15/58 | Jim Harris | 58-0004 | Negative for Ozalid work(3) | |
| 10/20/58 | Mr. Austin | 58-0049 | Negative for Ozalid Work(1) | |
| 10/20/58 | Mr. Tyler | 57-0023 | Negative for Ozalid Work(1) | |
| 10/28/58 | Mrs. J Gordon | 2 rolls | Polaroid of Flight 74(1) (8) 74(2) (24) | |
| 11/3/58 | Mr. Tyler | 58-00400 57-0065 58-0049 | 1 Positive (3 Prints) (3 prints) (3 Prints) | |
| 11/6/58 | Dr. Duntley | 55-00324 | Planes | 6 slides |
| | Dr. Duntley | 55-00263(1) | Graph | |
| | Dr. Ballard | 55-00400 | Hydrophotometer | |
| | | 55-00305 | Scripps | |
| 10/8/58 | Mr. Mulligan | 55-0361 | at Scripps | |
| | | 55-00410 | 56-0054 56-0032 | 4 slides |
| 11/12/58 | Mr. Richardson | 57-0065 | | 1 Slide |
| 11-13-58 | Dr. Duntley | | Alamagurdo Negative | |
| 11/18/58 | Mr. Tyler | 57-0065 | 1 print | |
| 12/1/58 | Mr. Tyler | 58-0051 | 58-0043 2 each | 4 slides |
| 12/5/58 | Mr. Tyler | 55-00400 | 57-0065 for Ozalid (2) | |

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1958

REPRINTS & SLIDES 1958

| DATE | NAME | NEGATIVE NO. | Information | Slides |
|---------|-------------------|--------------|-------------|---------------|
| 2/10/58 | Dr. Duntley | 57-0052 | | 6 |
| 2/28/58 | Dr. Duntley | 58-0008 | | 1 |
| 3/6/58 | Dr. Duntley | 57-0017 | | |
| 3/11/58 | Mr. Tyler | 57-0037 | | 3 |
| 3/12/58 | Dr. Duntley | 58-0011 | | 4 |
| 3/14/58 | Jim Harris | 58-0012 | | 1 |
| 3/14/58 | Dr. Ballard | 58-0013 | | |
| 3/18/58 | Dr. Ballard | 58-0013 | | |
| 3/14/58 | Mr. Tyler | 55-00403 | | |
| 3/19/58 | Mr. Tyler | 57-0037 | | 1 |
| 4/30/58 | Mr. Tyler | 58-0023 | | |
| 5/1/58 | Mr. Boileau | 55-00398 | | |
| 5/1/58 | Mr. Boileau | 56-0048 | | 6 |
| 5/1/58 | Dr. Duntley | 58-0024 | | 4 |
| 5/8/58 | Mr. Tyler | 57-0037 | | 4 |
| 5/8/58 | Mr. Tyler | 55-00400 | | |
| 5/8/58 | Mr. Tyler | 57-0065 | | |
| 5/8/58 | Mr. Tyler | 57-0037 | | 7 |
| 5/19/58 | Mr. Tyler | 58-0026 | | 33 |
| 6/4/58 | Jim Harris | 58-0020 | | |
| 6/6/58 | Dr. Duntley | 58-0032 | | |
| 6/13/58 | Dr. Duntley | 57-0054 | | 5 |
| 6/26/58 | Dr. Duntley | 58-0038 | | 5 |
| 6/26/58 | Jim Harris | 58-0034 | | 1 |
| 6/26/58 | Jim Harris | 58-0023 | | 14 |
| 7/16/58 | Jim Harris | 57-0048 | | |
| | | 57-0056 | | |
| | | 57-0058 | | |
| | | 57-0059 | | |
| 8/13/58 | Al Boileau | 58-0011(13) | | 6 |
| | | 57-0011(5) | | 1 |
| 9/30/58 | Dr. Duntley | 58-0032 | | 51 |
| 10/2/58 | Dr. Duntley | 58-0027 | | |
| 10/2/58 | Dr. Preisendorfer | 58-0047 | | 4 |
| 10/3/58 | Mr. Austin | | Experiments | |
| 10/2/58 | Mr. Tyler | 55-00403 | | |
| | | 57-0023 | | |
| 10/2/58 | Dr. Duntley | 58-0034 | | 6 |
| | | | | 61 |

1957

REPRINTS & SLIDES

| DATE | NAME | NEGATIVE NO. | INFORMATION | SLIDES |
|----------|-------------------|--------------|-------------|--------|
| | | | | 14 |
| 8/26/57 | Al Boileau | 57-0045 | | 6 |
| 8/28/57 | Dr. Duntley | 57-0043 | | |
| 8/30/57 | Dr. Duntley | 55-00406(3) | | |
| | | 56-0054(6) | | |
| 9/4/57 | Al Boileau | 57-0046(1-5) | | 5 |
| 9/13/57 | Cardoza | 57-0013 | | |
| 9/15-57 | Dr. Duntley | 57-0043 | | |
| 9/26/57 | John Tyler | 57-0051 | | 3 |
| 10/7/57 | Dr. Duntley | 57-0051(6) | | 6 |
| 10/7/57 | Dr. Duntley | 57-0052(1) | | 1 |
| 10/7/57 | Mr. Tyler | 57-0053(2) | | 4 |
| 10/8/57 | Dr. Duntley | 57-0054(5) | | 7 |
| 10/8/57 | Mr. Tyler | 57-0008(2) | | |
| 10/11/57 | Rudy | 57-0055(2) | | 2 |
| 10/10/61 | Dr. Preisendorfer | 57-0060(7) | | 7 |
| 10/28/57 | Dr. Duntley | 57-0057(12) | | 12 |
| 12/12/57 | Torky | 57-0044 | | |
| | | 57-0052(1) | | |
| 12/ /57 | Dr. Presendorfer | 57-0061(1-2) | | 2 |

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1957

REPRINTS & SLIDES

| DATE | NAME | NEGATIVE NO | INFORMATION | SLIDES |
|---------|---------------|---|------------------------|--------|
| | | | | 56 |
| 4/25/57 | Dr. Duntley | 56-0056 | | |
| 4/25/57 | Dr. Duntley | 55-00324 (13) | | |
| 5/5/57 | Jackie Grdon | 57-0026(1-5) | | |
| 5/14/57 | Dr. Morris | 57-0030(1-4) | | 4 |
| 5/13/57 | Jim Harris | 57-0029(1-4) | | 4 |
| 5/14/57 | Dr. Morris | 56-0010 56-0046 | | 2 |
| 5/31/57 | Mr. Tyler | 57-0023 | | 66 |
| 6/3/57 | Dr. Ballard | | | |
| 6/11/57 | Dr. Duntley | 57-0013(1-2) | | |
| 6/13/57 | Dr. Duntley | 55-00400 | | |
| 6/13/57 | Dr. Duntley | | | |
| 6/17/57 | Mr. Tyler | Lake Pond Oreilla | | |
| 6/13/57 | Dr. Duntley | The Florida Trip | | |
| 6/13/57 | Jackie Gordon | 55-00404 | | |
| 6/13/57 | Jackie Gordon | 56-0042 | | |
| 6/13/57 | Jackie Gordon | 56-0035 | | |
| 6/23/57 | Mr. Tyler | 57-0037 | | |
| 6/26/57 | Al Boileau | 57-0038 | | 3 |
| 6/26/57 | Al Boileau | 57-0039 | | 4 |
| 7/10/57 | Al Boileau | 56-0048 | | 1 |
| 7/10/57 | Al Boileau | 55-00324 | | 1 |
| 7/12/57 | Jim Harris | 56-0026(3) 56-0033() 56-0044(6) | | 75 |
| | | 56-0026(4) 56-0044(3) 56-0044(7) | | |
| | | 56-0027() 56-0044(5) 56-0049(1) | | |
| | | Rolls Negative printed of these 56-0062 | | |
| | | Roll 1 Seq 4 1 Fig 3-9 | Roll 7 Seq 3 Fig 3-13 | |
| | | Roll 1 Seq 2-9 Fig 3-10 | Roll 11 Seq 2 Fig 3-14 | |
| | | Roll 5- 1 3-11 | | |
| | | Roll 5 2 3-12 | | |
| 7/8/57 | Dr. Duntley | 57-0028 I Thru 5 | | |
| 7/29/57 | Dr. Duntley | 55-0018 | 55-00302(5) | |
| | | 55-00305 | 56-0005 55-00403 | |
| 7/31/57 | Al Boileau | 57-0040 | | 8 |
| 8/12/57 | Al Boileau | 57-0042 | | 1 |
| 7/31/57 | Mr. Tyler | 57-0041 | | 10 |
| | | | | 74 |

1957

REPRINTS & SLIDES

| DATE | NAME | NEGATIVE NO | INFORMATION | SLIDES |
|---------|----------------|--------------------|-------------|----------|
| 1/4/57 | Dr. Duntley | 57-0002 | | 5 |
| 1/17/57 | Mr. Tyler | 57-0004 | | 13 |
| 1/25/57 | Mr. Tyler | 57-0006 | | 1 |
| 1/25/57 | Mr. Tyler | 57-0007 | | 1 |
| 1/25/57 | Mr. Tyler | 57-0008 | | 1 |
| 1/25/57 | Mr. Tyler | 57-0009 | | 1 |
| 1/25/57 | Mr. Tyler | 57-0010 | | 1 |
| 1/31/57 | Mr. Tyler | 55-00400 | 10 Prints | |
| 1/31/57 | Mr. Tyler | 56-0023 | 10 Prints | |
| 2/3/57 | Mr. Tyler | 55-00223 | 1 Print | |
| 2/8/57 | Dr. Duntley | 57-0015 | | 15 |
| 2/12/57 | Al Boileau | 57-00324(4) | 2 Prints | |
| 2/12/57 | Al Boileau | 56-0048(7) | 2 Prints | |
| 2/12/57 | Al Boileau | 55-00324 | 2 Prints | |
| 2/12/57 | Al Boileau | 55-00291(1-2) | 2 Prints | |
| 2/12/57 | Al Boileau | 55-00227 | 2 Prints | |
| 2/12/57 | Al Boileau | 56-0048(2-8) | 2 Prints | |
| 2/6/57 | Mr. Tyler | 55-00223 | 2 Prints | |
| 2/12/57 | Dr. Duntley | 55-00324(3) | 15 Prints | |
| 2/18/57 | Dr. Duntley | 56-0056(1) | 15 Prints | |
| 2/18/57 | Mr. Tyler | 57-0007 | 10 Prints | |
| 2/21/57 | Mr. Tyler | 57-0007 | 30 Prints | |
| 2/25/57 | Mr. Tyler | 57-0016(1) | 2 Prints | |
| 2/25/57 | Mr. Tyler | 57-0016(3) | 2 PRINTS | |
| 2/27/57 | Rudy's | 57-0020(2) | | 2 Slides |
| 2/25/57 | Dr. Duntley | 57-0016(2) | 6 Prints | |
| 2/27/57 | Mr. Tyler | 57-0019 | | 1 Slide |
| 5/6/57 | Dick Ensminger | 56-0026(4) | 15 Prints | |
| 5/6/57 | Dick Ensminger | 56-0027(4) | | |
| 5/6/57 | Dick Ensminger | 56-0044(3,5,6,7,8) | | |
| 5/6/57 | Dick Ensminger | 56-0049(1) | | |
| 5/6/57 | Dick Ensminger | 56-0033(1) | | |
| 4/3/57 | Jim Harris | 56-0062(1) | 10 Prints | |
| 4/4/47 | Mr. Tyler | 57-0023 | 4 Prints | |
| 4/8/57 | Rudy's | 57-0025 | | 1 Slide |
| 4/18/57 | Jim Harris | 57-0026 | | 5 Slides |
| 4/24/57 | Dr. Duntley | 57-0027 | | 4 Slides |
| 4/24/57 | Dr. Duntley | 57-0028 | | 5 |
| | | | | 54 |

1956

REPRINTS & SLIDES

| DATE | NAME | NEGATIVE NO | INFORMATION | SLIDES |
|---------|--------------|--------------|--|---------|
| 4/2/56 | Jim Harris | 56-0027 | | 48 1 |
| 4/4/56 | Jim Harris | 56-0028 | | 1 |
| 4/6/56 | Dr. Ballard | 56-0029 | | 1 |
| 4/16/56 | Jim Harris | 56-0029 | | 1 |
| 4/16/56 | Dr. Ballard | 56-0026 | 1 Glossy | |
| 5/11/56 | Jack Bryant | 56-0030 | | 2 |
| 5/3/56 | & Richardson | | | 4 |
| 5/3/56 | Mr. Tyler | 56-0031? | 1 Glossy | 2 |
| 5/2/56 | Dr. Ballard | 56-0036 | 8 Glossy | |
| 7/3/56 | Dr. Duntley | 56-0038(1-4) | | 4 |
| 7/19/56 | Dr. Morris | | Airplanes (a) 13-90-90-0 B-47 (b) 10 $\frac{1}{2}$ -90-90-0 B-47 | |
| 8/17/56 | Dr. Taylor | 56-0032 | 2 (8 by 10) Glossy | |
| 10/9/56 | Dr. Ballard | 56-0052 | | |
| 10/9/56 | Dr. Ballard | 56-0052 | 56-0024(1) | |
| 10/1/56 | Dr. Duntley | 56-0030(2) | 56-0035(2) | |
| 10/1/56 | Dr. Duntley | 56-0024(8) | 55-00324(13) | |
| 10/1/56 | Dr. Duntley | 56-0030(1) | | |
| 11/4/56 | Al Boileau | 55-00292(14) | | |
| 11/7/56 | Mr. Tyler | 56-0018 | | |
| 11/1/56 | Dr. Duntley | 56-00324(13) | 2(Prints) | |
| 11/1/56 | Dr. Duntley | 56-0035(2-4) | | 4 |
| 11/6/56 | Mr. Tyler | 56-0018 | | I |

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| | | | | |
|---------|-------------|---|--------------------|---------|
| 1/2/57 | Dr. Duntley | 55-00324 | (8 X 10 Copies) | |
| 1/2/57 | Dr. Duntley | 56-0056 | (8 X 10 Copies) | |
| 1/4/57 | Dr. Duntley | 56-0054 | Bull Pup 22 Copies | |
| 1/4/57 | Al Boileau | 56-0056 | (9 copies) | (10-11) |
| 1/22/57 | Mr. Tyler | 55-296(5) 55-00301-(1-2) 55-00303(1-3) 55-00305(2-34-7) | | |
| | | 55-00333(1) 55-361(2) 55-00400(1-3) 55-00402(1-3) | | |
| | | 55-00403 (1-3) 55-00373(9) 56-0004(1) 56-0023(1-3) | | |
| | | 56-0060(194) | | |
| 1/7/57 | Al Boileau | 55-00223 55-00227 55-00264 55-00291 55-00277 | | |
| | | 55-00324(7) 55-00324(14) 56-0042 56-0048 | | |

1956

REPRINTS & SLIDES

| DATE | NAME | NEGATIVE NO. | INFORMATION | SLIDES |
|---------|----------------|----------------|---------------------|--------|
| 1/6/56 | Dr. Duntley | 55-324-13 | Planes | 1 |
| 1/6/56 | Dr. Duntley | 55-371-2 | | 1 |
| 1/6/56 | Dr. Duntley | 55-404 | | 1 |
| 1/6/56 | Dr. Duntley | 55-371 | | 1 |
| 2/15/56 | Dr. Duntley | 56-0005 | | 2 |
| 2/24/56 | Dr. Duntley | 56-0006 | | 4 |
| 3/11/56 | Dr. Ballard | 56-0008(13) | | 10 |
| 3/9/56 | Dr. Taylor | 55-294 | 4 x 5 2 L. Matts | |
| 3/9/56 | Dr. Taylor | 55-330 | 2 L Matt | |
| 3/9/56 | Mr. Tyler | 55-406 | 3 L Matt | |
| 3/12/56 | Dr. Ballard | 55-316 | D. Glossy | |
| 3/12/56 | Dr. Ballard | 55-290-(1-4) | 1,2,3,4 2 D. Glossy | |
| 3/19/56 | Dr. Ballard | 55-352 | D. Glossy | |
| 3/20/56 | Dr. Ballard | 55-320 | | |
| 3/20/56 | T.V. Reports | 55-361 | | |
| 3/20/56 | " " | 55-361(5) | | |
| 3/20/56 | " " | 55-400 | | |
| 3/20/56 | " " | 55-407 | | |
| 3/20/56 | " " | 56-0004 | | |
| 3/26/56 | Mr. Tyler | 56-0023 | | |
| 3/22/56 | Dr. Taylor | 56-0011 | | |
| 3/22/56 | Dr. Taylor | 56-0018 | | |
| 3/22/56 | Dr. Taylor | 56-00285 (1-3) | | |
| 3/26/56 | Dr. Duntley | 55-00324(6) | | 1 |
| 3/26/56 | Dr. Duntley | 55-00324(2) | | 1 |
| 3/26/56 | Dr. Duntley | 55-00324(1) | | 1 |
| 3/26/56 | Dr. Duntley | 55-00324(4) | | 1 |
| 3/26/56 | Dr. Duntley | 55-00324(7) | | 1 |
| 3/26/56 | Dr. Duntley | 55-00324(12) | | 1 |
| 3/26/56 | Dr. Duntley | 55-00205 | | 1 |
| 3/26/56 | Dr. Duntley | 55-00206 | | 1 |
| 3/26/56 | Dr. Duntley | 56-0019 | | 1 |
| 3/26/56 | Dr. Duntley | 56-0020(1-5) | | 5 |
| 3/26/56 | Dr. Duntley | 56-0021(1-2) | | 1 |
| 3/26/56 | Dr. Duntley | 56-0015 | | 2 |
| 3/26/56 | Dr. Duntley | 56-0022 | | 1 |
| 3/26/56 | Dr. Duntley | 56-0023 | | 1 |
| 3/26/56 | Dr. Duntley | 56-0015 | | 1 |
| 3/26/56 | Dr. Duntley | 56-0015(1-3) | | 1 |
| 3/26/56 | Dr. Duntley | 56-0024(13) | | 13 |
| 4/2/56 | Dr. Duntley(2) | 56-0025(2) | | 2 |
| 4/2/56 | Dr. Duntley(4) | 56-0026(4) | Also Prints | 2 |
| | | | | 48 |

1956

REPRINTS & SLIDES

| DATE | NAME | NEGATIVE NO. | INFORMATION | SLIDES |
|---------|----------------|---------------|-------------|--------|
| 3/25/55 | Mr. Tyler | 55-00308 | | 3 |
| 3/23/55 | Mr. Tyler | | | 13 |
| 3/29/55 | Mr. Tyler | | | 8 |
| 3/15/55 | Mr. Tyler | 55-00311 | 55-00329 | 2 |
| 5/4/55 | Mr. Al Boileau | 55-00330 | | 10 |
| 5/?/55 | Mr. Al Boileau | 55-00332 | | 1 |
| 5/6/55 | Mr. Tyler | 55-00333 | | 2 |
| 7/15/55 | Jim Harris | | | 1 ? |
| 7/19/55 | Dr. Ballard | 55-00367 | | 2 |
| 7/21/55 | Dr. Ballard | 55-00349 | | 1 |
| 8/21/55 | Bob Sandberg | | | 1 |
| 8/?/55 | Dr. Ballard | 55-00305(5) | | 2 |
| 8/22/55 | Dr. Ballard | 55-00381(1-3) | | 3 |
| 9/7/55 | Mr. Tyler | 55-00308 (9) | | 2 |
| 9/12/55 | Dr. Ballard | 55-00381(3) | | 1 |
| 9/14/55 | Mr. Tyler | 55-00400 | | 2 |
| 9/25/55 | Mr. Tyler | 55-00406 | | 1 |
| 9/28/55 | Mr. Tyler | 55-00379 | | 1 |
| 9/29/55 | Mr. Silvernail | | | 1 |
| 9/22/55 | Dr. Ballard | 55-00371(1) | 55-00372(2) | 2 |
| 9/20/55 | Mr. Tyler | 55-00406 | | 5 |

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NEGATIVES MR. TYLER

| | | | |
|---------|-----------|---|----------|
| 63-0026 | Mr. Tyler | Special No 21 (No Negative) | |
| 63-0030 | Mr. Tyler | Charts Special No 22 | |
| 63-0068 | Mr. Tyler | Spacelight Spectrometer No 23 | |
| 64-0005 | Mr. Tyler | Charts Large Negatives | 4 Slides |
| | | 1. Pacific Coastal Water No 24 | |
| | | 2. Out Put Ratio Vs. Wavelength | |
| | | 3. Table 1 Equal Cosine Collection | |
| | | 4. Rate of Photo Synthesis Vs Detector Response | |

NEGATIVE FILE MR. TYLER

58-0002(1) Underwater Photometer Lake Pond Oreilla
 58-0017(8) Charts Radiance Data April 1957
 58-0018() Chart
 58-0023(1) Relative Radiance (Air and Water)
 58-0026(7) Charts Radiance Distribution Lake Pond Oreilla
 58-0034(25) Dr. Duntley Water Clarity Meter (These negatives are in 2 Envelopes
 58-0049(1) Mr. Austin & Mr. Tyler underwater Photometer
 used in Article Also 55-00403 & 57-0023
 58-0051 The Alpha Meter

59-0001 Oceanographic Material from a Russian Paper
 59-0007 Charts also Ozalid Master
 59-0009 Telephotometer
 59-0038 The Jancie Meter or K Meter Mr. Austin

60-0011 Charts
 60-0014 Underwater Nepelometer
 60-0016 Charts
 60-0020 Charts Optical (Reports)
 60-0027 Charts
 60-0055 Charts
 60-0059 Charts

61-0003(1) Alpha (Special)
 61-0006() Charts Measurement of Perpendicular & Horizontal Angular
 61-0010() Chart
 61-0014() Special Equipment (Copy)
 61-0032() Chlorophyll Spectrum Charts
 61-0044() Charts
 61-0049() The Spectrograph
 61-0056() Mr. Tyler Charts also 59-0038 & 61-0003
 61-0066() Charts (SPECIAL No 1)

62-0001(2) Mr. John Tyler (German Article No (2-3)
 62-0007() Mr. Tyler Charts (SPECIAL NO 4-5-6-7)
 62-0010() Mr. Tyler Charts (No 8-9-10-11-12-13) (SPECIAL)
 62-0011() Mr. Tyler (SPECIAL NO 14) Chart
 62-0032() Mr. John Tyler (A Drawing of an Aquarium) (SPECIAL NO 15)
 62-0036() Mr. Tyler 1. The Snell Pictures of the Sky from Underwater
 2. The Beams of light for a calm Surface
 3. The Beams of light for a rough Surface
 4. The Sun Noise Chart (SPECIAL 16)

62-0042() Mr. Tyler Scattering Meter (SPECIAL 17)
 62-0050() Mr. Tyler Equipment (Special 18)
 62-0055() Mr. Tyler Charts & Etc Special 19 Japan

63-0022() Mr. Tyler Series of Prints 2 Each (SPECIAL 20)

NEGATIVES MR. TYLER

55-00110 Charts made for Mr. Tyler Thru 55-00118
Sun Brightness Foot Lamberts

55-00296 Underwater Photometer

55-00301 Misc., Special Mr. Tyler

55-00305 Underwater Photometer

55-00311 Charts

55-00312 Charts

55-00361 Underwater T.V.

55-00373 Underwater T.V.

55-00395 Charts

55-00400 Beta Meter

55-00402 Underwater T.V.

55-00403 Underwater Photometer

55-00405 Underwater Photometer

55-00406 Charts

55-00416 Charts

55-00417 Chart

55-00432 Copies (Underwater 55-00434) Vision Chart

55-00442 Underwater Photometer San Diego Data

56-0004 Dr. Ballard T.V. or Mr. Tyler 56-0012 Charts

56-0018 Target as seen by Observer in the Viewing Tunnel

56-0023 Underwater Photometer Nepelometer (T.V.)

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

56-0059 Calculated Path Function Negatives as in 1955 Charts

56-0060 Dr. Duntley & Mr. Tyler Testing on S.F.A. Campus

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

57-0006 Diffuse Sphere Collector 1 Slide

57-0007 % Scattering Sphere (1 Slide*)

57-0008 Nepelometer 1 Slide

57-0009 % Scattering Sphere

57-0010 Ratio Meter 1 Slide

57-0016 Underwater Photometer First Test in the New Tank
Pertaining to instrument Reading

57-0019 Mr. Tyler Underwater Photometer 1957 March

57-0023 Kodachrome Copies B & W 4 X 5 Negatives

57-0037 Prints used for Reports

57-0041 Mr. Tyler Slides on Equations

57-0050 Charts on Equations 3 Slides

57-0043 Mr. Tyler Charts on Radiance Profile 4 slides

57-0065 Mr. Tyler & Mr. Richardson Photo Cell Cover
Flat Plate Collector