
Thomas J. Tredici

August 2002

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Project Scientist

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Chief, Clinical Sciences Division
Aerospace ophthalmology combines the practice of Clinical Ophthalmology and Aerospace Medicine in attempting to solve the visual and ophthalmological problems of the aviator and astronaut. The Ophthalmology Branch of the USAF School of Aerospace Medicine has exclusively performed this task for nearly 85 years. The visual problems and solutions proposed are documented in the publications and invited presentations of Ophthalmology Branch personnel, listed for the years 1960 through 1970. They deal primarily with applied visual and clinical topics; such as, visual standards for flying, the use of contact lenses in aviation, visual illusions and aircraft accidents, air-to-air target acquisition, management of glaucoma in flying personnel, thermonuclear energy effects on the eye, flashblindness, visual protective devices, laser damage to ocular tissues, UV effects on the eye, protective ocular filters for space exploration, etc.

Aerospace ophthalmology, visual standards, aviators vision, flashblindness, retinal burns, laser and UV effects on the eye, ocular protective filters.

Unclassified

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<td>1969</td>
<td>Presentations</td>
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1. DIAGNOSTIC HEAD LIGHT FOR OCULAR MUSCLE TESTING
   Tredici, T. J.

2. THE INFLUENCE OF KINESTHESIS UPON NEAR HETEROPHORIA
   MEASUREMENTS
   Morris, F. M.
   American Journal of Optometry and Arch. of American Academy of Optometry
   Vol 37, No. 7, July 1960.

3. A METHOD OF PHOTOGRAPHING FLUORESCENCE IN CIRCULATING
   BLOOD OF THE HUMAN EYE
   Novatny, H. K., D. L. Alvis
   60-82 Sch of Aviation Medicine Brooks AFB, Tx, Sept 1960.

4. RETINAL VASCULAR REACTIVITY IN PATIENTS WITH DIABETES
   MELLITUS AND WITH ATHEROSCLEROSIS
   Hickam, J. B., H. O. Sieker
OPHTHALMOLOGY BRANCH

1960 Presentations

1. VISUAL ASPECTS OF RADIATION EXPOSURE
   Culver, J. F.
1. METHOD FOR PRODUCING WETTABLE SURFACES ON CONTACT LENSES BY CHEMICAL FORMATION OF INORGANIC FILMS  
   *Erb, Robert A. (The Franklin Institute)*  

2. DEVELOPMENT OF PHOTOREACTIVE MATERIALS FOR EYE-PROTECTIVE DEVICES  
   *Fox, Richard E. (The National Cash Register Company)*  

3. TRANSMITTANCE OF THE VISIBLE SPECTRUM THROUGH THE COMPONENTS OF THE BOVINE OCULAR MEDIA  
   *Pitts, D. G.*  

4. VISUAL ASPECTS OF RADIATION EXPOSURE  
   *Culver, J. F.*  
   Military Medicine, Vol 126, No. 9, Sep 61.

5. RECOVERY OF VISUAL DISCRIMINATION AFTER HIGH INTENSITY FLASHES OF LIGHT  
   *Severin, Sanford L., N. L. Newton, J. F. Culver*  

6. ALPHA-CHYMOTRYPSIN IN CATARACT SURGERY (ENZYMATIC ZONULOYSIS)  
   *Tredici, Thomas J.*  
   Military Medicine, Vol 126, No. 8, Aug 1961.

7. CONTACT LENSES FOR FLYING PERSONNEL (A RATIONALE FOR CURRENT POLICY)  
   *Culver, J. F.*  

8. PRIMARY DEGENERATION OF THE RETINA (CASE REPORT)  
   *Moore, J. F., J. F. Culver*  
   Aerospace Medicine, Vol 32, No. 9, Sep 61.

9. COSMIC RADIATION  
   *Zellmer, R. W., R. G. Allen, J. F. Culver*  
1961 Publications (continued)

STUDENT THESES

(Submitted in Partial Fulfillment of the Requirements of the Advanced Course in Aerospace Medicine – May 1961)

Experimental Work Performed Under the Direction of Lt Col J. F. Culver And Capt N. L. Newton, Ophthalmology Department
Publications (10 thru 14)

10. THE EFFECTS OF SIMULATED ALTITUDE ON PENETRATING EYE INJURIES
   J. Robert Dille

11. RECOVERY OF VISUAL DISCRIMINATION AFTER HIGH INTENSITY FLASHES OF LIGHT
   Sanford L. Severin

12. RESULTS OF TONOGRAPHY AT A SIMULATED ALTITUDE OF 30,000 FT
   James T. Moore

13. AN EVALUATION OF A METHOD FOR STUDYING CORNEAL TOPOGRAPHY USING PHOTOGRAPHS OF OCULAR CASTS
   Clifford L. Mayhew

14. THE EFFECT OF PILOCARPINE MIOSIS ON VISUAL ACUITY UNDER CONDITIONS OF COCKPIT ILLUMINATION—A POSSIBLE PROTECTION AGAINST FLASHBLINDNESS
   Howard A. Minners

15. RESULTS OF PREFLIGHT AND POSTFLIGHT MEDICAL EXAMINATIONS
   Jackson C. B., W. K. Douglas, J. F. Culver
1. PROTECTIVE GLASSES AGAINST ATOMIC FLASH
   Culver, James F. A. V. Alder
   Presented at the AGARD, NATO Meeting, Lisbon, Portugal, Apr 61.

2. VISUAL ASPECTS OF SPACE FLIGHT
   Morris, Floyd M.
   Presented at the Annual Meeting of the American Academy of Optometry,

3. EARLY OCULAR EFFECTS OF HIGH ENERGY PROTON AND ALPHA RADIATION
   Culver, J. F., N. L. Newton
   Presented at the Aerospace Medical Association Meeting, Apr 61.

4. A NEW APPROACH TO THE STUDY OF FLASH BLINDNESS—USE OF THE ZEISS LIGHT COAGULATOR
   Severin, S. L., N. L. Newton, J. F. Culver
   Presented at the Mid-Southern Section Association for Research in Ophthalmology, 9-12 Nov 61, Oklahoma City, Okla.

5. COMPLICATIONS ASSOCIATED WITH THE WEARING OF CONTACT LENSES
   Morris, Floyd M.
   Presented at the South Central Texas Dispensing Opticians Society Meeting, 23 Jul 61, San Antonio, Texas.
1. THE EFFECTS OF SIMULATED ALTITUDE ON PENETRATING EYE INJURIES
   Dille, J. R., N. L. Newton, J. F. Culver

2. GLAUCOMA SCREENING IN AEROMEDICAL EXAMINATION
   Clark, W. B., J. F. Culver

3. HIGH SPEED PHOTOGRAPHIC STUDY OF PERFORATING OCULAR INJURY BY THE BB.
   Tillett, C. W., H. W. Rose, C. Herget

4. VISUAL ASPECTS OF SPACE FLIGHT
   Morris, F. M.

5. A NEW APPROACH TO THE STUDY OF FLASHBLINDNESS
   Severin, S. L., N. L. Newton, J. F. Culver

6. A STUDY OF PHOTOSTRESS AND FLASHBLINDNESS
   Severin, S. L., N. L. Newton, J. F. Culver

7. AN EXPERIMENTAL APPROACH TO FLASHBLINDNESS
   Severin, S. L., N. L. Newton, J. F. Culver

8. ACUTE NARROW-ANGLE GLAUCOMA-A CASE REPORT
   Mayhew, C. L., J. F. Culver

9. RECOVERY OF VISUAL DISCRIMINATION AFTER HIGH INTENSITY FLASHES OF LIGHT
   Severin, S. L.
10. SPACE OPHTHALMOLOGY
   Culver, J. F.

11. VISUAL ASPECTS OF RADIATION EXPOSURE
   Culver, J. F.

12. PRODUCTION OF CHORIORETINAL BURNS BY NUCLEAR DETONATIONS AND TESTS OF PROTECTIVE DEVICES AND PHOTOTROPIC MATERIALS

13. PROTECTIVE GLASSES AGAINST ATOMIC FLASH
    Culver, J. F., A. V. Alder
OPHTHALMOLOGY BRANCH

1962 Presentations

1. OCULAR HAZARDS OF PARTICULATE SPACE RADIATION
   Culver, James F., R. W. Zellmer, N. L. Newton
   Presented at the AGARD-NATO Aerospace Medical Panel Meeting, Paris, France, 6-10 July 1962.

2. GLAUCOMA SCREENING IN AEROMEDICAL EXAMINATIONS
   Clark, William B., J. F. Culver
   Presented at the Aerospace Medical Association Meeting, Atlantic City, New Jersey, 9-12 April 1962.

3. AN EXPERIMENTAL APPROACH TO FLASH BLINDNESS
   Severin, Sanford L., N. L. Newton, J. F. Culver
   Presented at the Aerospace Medical Association Meeting, Atlantic City, New Jersey, 9-12 April 1962.

4. THE EFFECTS OF SIMULATED ALTITUDE ON PENETRATING EYE INJURIES
   Dille, J. Robert, N. L. Newton, J. F. Culver
   Presented at the Aerospace Medical Association Meeting, Atlantic City, New Jersey, 9-12 April 1962.

5. A SIMPLE METHOD OF CHORIORETINAL BURN PROTECTION
   Minners, H. A., N. L. Newton
   Presented at the Section on Military Medicine, American Medical Association, Chicago, Illinois, 26 June 1962.

6. PROTON RADIATION EFFECTS IN PRIMATES
   Zellmer, R. W., J. F. Culver, J. E. Pickering

7. SPACE OPHTHALMOLOGY
   Culver, James F.
   Presented at the XIXth International Congress of Ophthalmology, New Delhi, India, 3-7 Dec 62.
1. OCULAR HYPEROXIA
   Beehler, C. C., N. L. Newton, J. F. Culver, T. J. Tredici
   Aerospace Medicine Vol 34, No. 11, Nov 1963.

2. NUCLEAR EXPOSURE EFFECTS
   Culver, J. F.

3. AEROMEDICAL EVALUATION FOR SPACE PILOTS - OPHTHALMOLOGY EVALUATION
   Clark, W. B., S. L. Severin, J. F. Culver
   USAFSAM, July 1963.

4. INTRAOCULAR PRESSURE AQUEOUS OUTFLOW AND GLAUCOMA AT ALTITUDE
   Newton, N. L., W. B. Clark, J. F. Culver, J. T. Moore

5. THE AEROMEDICAL PROBLEM OF GLAUCOMA
   Culver, J. F., W. B. Clark
   Aerospace Medicine Vol 34, No. 11, Sept 63.

6. PHOTOSTRESS AND FLASHBLINDNESS IN AEROSPACE OPERATIONS
   Severin, S. L., A. V. Adler, N. L. Newton, J. F. Culver
   Aerospace Medicine Vol 34, No. 12, Dec 63.

7. A STUDY OF PHOTOSTRESS AND FLASHBLINDNESS
   Severin, S. L., N. L. Newton, J. F. Culver

8. EARLY OCULAR EFFECTS OF HIGH ENERGY PROTON AND ALPHA RADIATION
   Culver, J. F., N. L. Newton

9. THE PHOTOSTRESS TEST FOR THE EVALUATION OF MACULAR FUNCTION
   Severin, S. L., J. Y. Harper, J. F. Culver
10. PHOTOSTRESS TEST FOR THE EVALUATION OF MACULAR FUNCTION
   Severin, S. L., J. Y. Harper Jr., J. F. Culver

11. THE PROBLEM OF HETEROTROPIA IN TRAINED PILOTS
    Clark, W. B., J. F. Culver
    Aerospace Medicine Vol 34, No. 8, Aug 63.

12. PRODUCTION OF CHORIORETINAL BURNS BY NUCLEAR DETONATIONS
    AND TESTS OF PROTECTIVE DEVICES
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1963 Presentations

1. THE AEROMEDICAL PROBLEM OF GLAUCOMA
   Culver, James F., W. B. Clark
   Presented at the Aerospace Medical Association Meeting, Los Angeles, California, 29 April 1963.

2. OCULAR EFFECTS OF NUCLEAR DETONATIONS
   Culver, James F.
   Presented at the Nuclear Weapons Medical Symposium, Field Command, DASA, Sandia Base, Albuquerque, New Mexico, 22-26 Apr 1963.

3. THE PROBLEM OF HETEROTROPIA IN TRAINED PILOTS
   Clark, William B., J. F. Culver
   Presented at the Aerospace Medical Association Meeting, Los Angeles, California, 29 April 1963.

4. PHOTOS AND FLASH BLINDNESS IN AEROSPACE OPERATIONS
   Severin, Sanford L., A. V. Alder, N. L. Newton, J. F. Culver
   Presented at the Aerospace Medical Association Meeting, Los Angeles, California, 29 April 1963.

5. OCULAR HYPEROXIA
   Beehler, C. C., N. L. Newton, J. F. Culver, T. J. Tredici
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6. THE AEROMEDICAL PROBLEM OF GLAUCOMA
   Culver, James F., W. B. Clark
   Presented at the Aerospace Medical Association Meeting, Los Angeles, California, 29 April 1963.

7. CONTACT LENSES IN AVIATION AND SPACE
   Morris, Floyd M.
   Presented at the AOA Contact Lens Symposium, at Ohio State University, Columbus, Ohio, 3 Feb 1963.

8. THE OPTOMETRIST AS A MEMBER OF THE AIR FORCE MEDICAL SERVICE TEAM
   Morris, Floyd M.
1963 Presentations (continued)

9. CONTACT LENSES FOR FLYING PERSONNEL—A CLINICAL INVESTIGATION
   Morris, Floyd M.
   Presented at the Second World Contact Lens Congress, Chicago, Illinois, 4-7 Aug 1963.

10. VISUAL ASPECTS OF THE PHYSICAL EXAMINATION FOR FLYING (VISUAL REQUIREMENTS FOR FLYING)
    Morris, Floyd M.
    Presented at the 66th annual meeting of the American Optometric Association, Minneapolis, Minnesota, 20 July 1963.

11. RETINAL DETACHMENT IN ANIMALS RESULTING FROM OXYGEN TOXICITY
    Beehler, Cecil C.; N. L. Newton, J. F. Culver, T. J. Tredici
    Presented at the Fifth International Symposium on Space Technology and Science covering Space Medicine, Tokyo, Japan, 2-7 Sep 63.

12. CHORIORETINAL BURN PROBLEM
    Culver, James F.
    Presented at the ACLANT Medical Officer’s Symposium, Naval Medical Research Institute, National Naval Medical Center, Bethesda, Maryland, 29-30 Oct 1963.

13. CHORIORETINAL BURNS AND PROTECTIVE DEVICES
    Allen, Ralph G., J. F. Culver, E. O. Richey
    Presented at Operation Fish Bowl Symposium, 5-7 November 1963, Chicago, Illinois (SRD).

14. FLASHBLINDNESS AND PROTECTIVE DEVICES
    Alder, Albert V.
    Presented at the Medical Aspects of Advanced Warfare Course (Instructional Course), Gunter AFB, Alabama, 4 November 1963.
1. CONTACT LENSES FOR FLYING PERSONNEL-A CLINICAL INVESTIGATION  
   
   **Morris, F. M.**  
   Contacto 8(1), Mar 1964.

2. SPACE OPHTHALMOLOGY PROBLEMS  
   
   **Clark, W. B., J. F. Culver**  

3. VISUAL RECOVERY FROM BRIEF EXPOSURE TO VERY HIGH LUMINANCE LEVELS  
   
   **Fry, G. A., N. D. Miller**  

4. RETINAL DETACHMENT IN ADULT DOGS RESULTING FROM OXYGEN TOXICITY  
   
   **Beehler, C. C., N. L. Newton, J. F. Culver, T. J. Tredici**  

5. HUMAN CHORIORETINAL BURNS FOLLOWING HIGH ALTITUDE NUCLEAR DETONATIONS  
   
   **Culver, J. F., N. L. Newton, R. Penner, R. W. Neidlinger**  
   Aerospace Medicine, Vol 35, No. 12, Dec 1964.

6. THE VANISHING DISQUALIFICATION (CORNEAL ENDOTHELIAL DYSTROPHY)  
   
   **Howard, J. L., J. F. Culver**  
   Aerospace Medicine, Vol 35, No. 8, Aug 1964.

7. A SIMPLE METHOD OF CHORIORETINAL BURN PROTECTION  
   
   **Minners, H. A., N. L. Newton**  

8. HEMATOMA BENEATH THE RETINAL PIGMENT EPITHELIUM  
   
   **Tredici, T. J., R. H. Fenton**  

9. HEMATOMA BENEATH THE RETINAL PIGMENT EPITHELIUM  
   
   **Tredici, T. J.**  
10. MILITARY ASPECTS OF SATELLITE-TO-EARTH VISIBILITY
   Clark, W. B., F. M. Morris, J. F. Culver
   Lectures in Aerospace Medicine, USAFSAM, Brooks AFB, TX, Feb 1964.

11. OXYGEN AND THE EYE
   Bechle, C. C.
   Review 3-64, USAFSAM, Brooks AFB, TX, Feb 1964.

12. VISUAL REQUIREMENTS FOR FLYING
   Jampalsky A, A. Morris, W. L. Erdbrink, R. Feinberg, D. G. Pitts

13. NUCLEAR WEAPONS OPTICAL INFRA-RED PHENOMENA AND THEIR
     EFFECTS ON AIR FORCE SYSTEMS
   Richey, E. O.

14. HYPERTROPHIC CORNEAL SCARS (KELOIDS)
   Tredici, T. J.

15. THE POSITIVE AFTER-IMAGE AND MEASUREMENTS OF LIGHT AND
     DARK ADAPTATION
   Fry, Glenn A.
   Final Report on Contract AF33 (657)-9615, Ohio State Univ. Columbus, Ohio, 31
   Oct 1964.

16. RESEARCH ON TRIPLET STATES AND PHOTOCHROMISM
   Windsor, M. W., D. Weber
   Final Report on Contract AF41 (609)-1457 Space Technology Lab, Redondo
   Beach, CA, Jan 1964.

17. INTRAOCULAR PRESSURE, AQUEOUS OUTFLOW, AND GLAUCOMA AT
     ALTITUDE
   Newton, N. L., W. B. Clark, J. T. Moore, J. F. Culver

18. VISUAL RECOVERY FROM BRIEF EXPOSURES TO VERY HIGH
     LUMINANCE LEVELS
   Fry, G. A., N. D. Miller
   Contract AF33 (657-9229), Ohio State Univ Res. Foundation, Columbus, Ohio,
   Aug 1964.
1. NUCLEAR WEAPONS EFFECTS RESEARCH PROGRAM FOR FY 1966 OF THE OCULO-THERMAL SECTION, OPHTHALMOLOGY BRANCH
   Loper, L. R.
   Presentation at the Air Force Weapons Laboratory, Kirtland AFB, New Mexico, March 1964 - Task 630103.

2. OCCUPATIONAL VISION IN THE AIR FORCE AND THE ROLE OF THE OPTOMETRIST IN THE AIR FORCE
   Kislin, Benjamin
   Presented at the annual convention of the Oklahoma Optometric Association, 2-5 May 1964 - Task 775505.

3. VISUAL PROBLEMS ASSOCIATED WITH AEROSPACE FLIGHT
   Morris, Floyd M.
   Presented at the annual convention of the Oklahoma Optometric Association, 2-5 May 1964 - Task 775505.

4. HUMAN CHORIORETINAL BURNS FOLLOWING HIGH ALTITUDE NUCLEAR DETONATIONS
   Culver, James F., N. L. Newton, Robert Penner, R. W. Neidlinger
   Presented at the 35th annual scientific meeting of the Aerospace Medical Association, 14 May 1964, Bal Harbour, Florida - Task 630103.

5. EYE PROTECTION IN THE AIR FORCE
   Kislin, Benjamin
   Presented at the American Optometric Association Congress, New York, New York, 28 June-3 July 1964, Task 630103.

6. OPERATION DOMINIC (DOCUMENTARY FILM)
   Richey, Everett O. (Co-Editor on script for technical accuracy)

7. SPACE OPHTHALMOLOGICAL PROBLEMS
   Clark, William B., J. F. Culver
   Presented at the Third International Symposium on Bioastronautics and the Exploration of Space, 16-18 Nov 64, San Antonio, Texas - Task 775505.

8. THE "SCOTIC RESPONSE" IN THE CAT
   Pitts, Donald G.
   Presented at the annual meeting of the American Academy of Optometry, 12-15 Dec 64, Columbus, Ohio - Task 775505.
9. A HISTORICAL REVIEW OF THE OCULOMOTOR COMPLEX  
   Pitts, D. G.  
   Presented at the annual meeting of the American Academy of Optometry, 12-15 Dec 64, Columbus, Ohio – Task 775505.

10. EFFECT OF OBSERVER ELEVATION ON THE MOON ILLUSION  
    Hamilton, James F.  
    Presented at the annual meeting of the American Academy of Optometry, 12-15 Dec 64, Columbus, Ohio.

11. FLASH BLINDNESS PROTECTION (CLOSED CIRCUIT TELEVISION)  
    Richey, Everett O.  
    Formal comments on closed circuit television, Wright-Patterson AFB, Ohio, December 1964.
1. CURRENT UNITED STATES AIR FORCE POLICY ON GLAUCOMA
   Howard, J. L., W. B. Clark, J. F. Culver, T. J. Tredici
   Aerospace Medicine, Vol 36, No. 9, Sept 1965.

2. THE EFFECT OF EXERCISE ON INTRAOCULAR TENSION AND ITS
   RELATIONSHIP TO OPEN ANGLE GLAUCOMA
   Cooper, R. H., Lempert P, J. F. Culver
   Aerospace Medicine, Vol 36, No. 1, Jan 1965.

3. FLASHBLINDNESS
   Richey, E. O.
   Chapter 7 AFSCM 500-5, Feb 1965.

4. VISUAL RECOVERY FROM HIGH INTENSITY FLASHES
   Miller, R. D.

5. VISUAL ASPECTS
   Pitts, D. G.

6. RESEARCH FOR OCULAR EFFECTS OF THERMAL RADIATION
   Alexander, T. A., R. L. Bessey, E. R. Lawler

7. DUAL CHANNEL OPTICAL SYSTEM FOR USE WITH LOW VOLTAGE KERR
   CELL
   Whitmore, F. C., R. E. Linder, W. W. Bradshaw

8. F-101/F-106 FLIGHT SIMULATOR FLASHBLINDNESS EXPERIMENT
   Hamilton, J. E.

9. EFFECT OF LUMINANCE ON THE MOON ILLUSION
   Hamilton, J. E.
1965 Publications (continued)

10. C-131A/T-29 FLIGHT SIMULATOR FLASHBLINDNESS STUDY
    Alder, A. V.

11. CHORIORETINAL BURNS
    Allen, R. G., E. O. Richey
    Chapt. 6 AFSCM 500-5, Feb 1965.

12. THE STEREOSCOPIC ANGLE AND ITS RELATIONSHIP TO THE STANDARD
    AIR FORCE TESTS FOR DEPTH PERCEPTION
    Ricciardi, C. A., B. Kislin, A. J. Rahe

13. VISION FROM SPACE
    Clark, W. B.

14. VISUAL ILLUSIONS AND AIRCRAFT ACCIDENTS
    Pitts, D. G.

15. CASE OF RADIATION INDUCED CATARACT AT RADAR SITE
    Dougherty, J. D., J. C. Caldwell, W. M. Howe, W. B. Clark
    Aerospace Medicine Vol 36, No. 5, May 65.
1965 Publications (continued)

PUBLICATIONS AS A RESULT OF CONTACT
AF61 (052)-850, ISTITUTO NAZIONALE DI OTTICA,
FLORENCE ITALY
Monitor: Thomas J. Tredici, Lt Colonel, USAF, MC
Work Unit 7755090 6
PROBLEMS RELATED TO VISUAL PERFORMANCE OF PILOTS

1. ERG RESPONSES TO A BLUE-RED-BLUE-RED SEQUENCE OF
SCOTOPICALLY EQUIVALENT FLASHERS
Ercoles, Anna Maria

2. DETECTION OF CIRCULAR LIGHT SIGNALS IN RELATION TO SHAPE AND
COLOR IDENTIFICATION. I. PRELIMINARY REPORT
Ronchi, Lucia, R. Tittarelli

3. THE NEURAL ORGANIZATION OF THE CENTRAL RETINA AS REVEALED
BY AN EXPERIMENT ON SIMULTANEOUS CONTRAST
Ronchi, Lucia, G. Salvi

4. SUBJECTIVE SHARPNESS THRESHOLD IN MAXWELLIAN VIEW AND
UNDER NORMAL VIEWING CONDITIONS
Bittini, Marcella, R. Sulli

5. THE “NOISE” OF THE VISUAL SYSTEM AND THE ELISABETH LINNE
EFFECT
Tittarelli, Rolando

6. ON THE GAIN IN DIFFERENTIAL SENSITIVITY WHEN PASSING FROM
MONOCULAR TO BINOCULAR VISION
Ronchi, Lucia, E. Gloria

7. FLUCTUATION OF BRIGHTNESS PERCEPTION IN BINOCULAR, PARTIALLY
MONOCULAR AND ACTUALLY MONOCULAR VISON
Ronchi, Lucia, R. Sulli

8. ON THE VARIABILITY OF COLOR-NAMING IN EXTRAFOVEAL VISION
Tittarelli, Rolando
9. ON THE VARIABILITY OF THE COURSE OF ELECTRORETINOGRAPHIC RESPONSE DURING INCOMING ADAPTATION TO LIGHT
   Ronchi, Lucia, A. M. Ercoles

10. ON THE DETERMINATION OF THE OPERATING CHARACTERISTIC OF THE HUMAN EYE
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12. R & D OF AN OCULAR LASER PROTECTIVE FILTER
    Sherr, A. E., R. J. Tucker
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13. MEASUREMENT OF RETINAL IMAGE FOR LASER RADIATION
    Stein, M. N., S. S. Elgin
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1. THE EFFECT OF PILOCARPINE ON THE AC/A RATIO
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   Dec 12, 1970.

2. THE EFFECTS OF AGING ON THE AMPLITUDE OF CONVERGENCE
   Provines, W. F.
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3. MANAGEMENT OF OPHTHALMIC CASUALTIES IN SOUTHEAST ASIA -
   THE EFFECT OF DRUGS ON THE EYE
   Tredici, T. J.
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4. ULTRAVIOLET RADIANT ENERGY AND THE EYE
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5. OCULAR HAZARDS AS A RESULT OF VIEWING SOLAR ECLIPSE
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6. BASIC PATHOLOGY IN THE GLAUCOMAS
   Tredici, T. J.
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7. VISUAL CRITERA FOR ASTRONAUT SELECTION
   Martin, B. J., T. J. Tredici, J. F. Culver
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   1970.

8. CENTRAL SERIOUS RETINOPATHY-DIAGNOSIS AND RESIDUAL EFFECTS
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9. OPHTHALMOLOGIC RESEARCH IN THE US AIR FORCE
   Tredici, T. J.
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   Arnold, D. L., T. J. Tredici
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11. GENERAL DISCUSSION OF LENS AND RED CELL SULFHYDRYL
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   Epstein, D. L
   Presentation at the Red Cell Symposium, City of Hope Nat. Med. Center. Duarte,
   CA, 5-7 Oct 70.

12. AZY 91270 OPHTHALMOLOGY SURGICAL TECHNICIAN COURSE C170A
    (5 WEEKS DURATION)
   Arnold, D. L. MMSgt-Course Supervisor
   This is the first course for ophthalmology technicians in the Armed Forces, begins
   19 Jan 1970.