



Richmond Eye and Ear Hospital

1001 East Marshall Street • Richmond, Virginia 23219 • (804) 775-4500

May 24, 1985

Paul R. Guinn
U. S. Nuclear Regulatory Commission
Region II, Nuclear Materials Safety Section
101 Marietta Street, N.W.
Suite 2900
Atlanta, Georgia 30303

Dear Mr. Guinn:

Richmond Eye and Ear Hospital is using a portable fluoroscope for diagnostic imaging of human extremities as per NRC license #45-02888-01. In particular, we are using a Lixiscope with an iodine-125 radiation source. We would like to amend our current license to allow another physician, Doctor Wyndell H. Merritt to use this device at our facility. Doctor Merritt is a surgeon who practices at Richmond Eye and Ear Hospital and uses the Lixiscope in the manner prescribed by our NRC license. Doctor Merritt has received specific training in the use of the Lixiscope by completing an NRC approved Lixiscope training course from an approved Lixiscope instructor. The course was presented to Doctor Merritt on December 24, 1984 by Mr. Stanley N. Friedman of Medi-Systems, Inc. In addition to Doctor Merritt, three Richmond Eye and Ear Hospital nurses were in attendance to gain some familiarity with the Lixiscope.

At the same time and as per your telephone discussion of April 17, 1985 with Doctor Alfred M. Strash, our radiological physics consultant, we would like to request an amendment to our license to effect new procedures for granting authorization to use the Lixiscope. At our institution, the only individuals who would use this device are licensed medical doctors who already have a significant scientific background. To allow authorization for Lixiscope use to these medical doctors we would require that they successfully complete a special training course as outlined in the enclosure and also be approved by our medical credentials committee and chief

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REG2 LIC30
45-23055-01 PDR

License Fee Information

on 1/8/85

Received
5/24/85 PG
Reg II

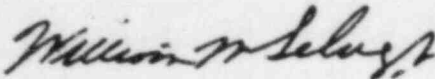
U. S. Nuclear Regulatory Commission
Reference: License #45-23055-01

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24 May 1985

executive officer of our hospital who holds responsibility for our NRC License. A certificate for the training course will be issued by the course instructor who must be a qualified Lixiscope instructor or an individual certified by the American Board of Health Physics or certified in medical nuclear physics by the American Board of Radiology. A copy of the training certificates will be kept on file with our NRC license and, of course, open to NRC review.

Your attention to this matter is very much appreciated.

Sincerely,



William M. Selvey
Administrator

Enclosures: Lixiscope Training Course Outline
Amendment Fee (\$120 check)

/av

cc: Dr. Alfred M. Strash
for

Lixiscope Training Course Outline

Richmond Eye and Ear Hospital
Richmond, Virginia 23219

April 20, 1985

1.1 Overview Of Regulations For Radiation Protection

1. Virginia Rules and Regulations for the Use of Ionizing Radiation
2. NRC Regulations including 10CFR19 and 10CFR20

1.2 General Radiation Safety Instruction To Workers

1. NRC Regulatory Guides
2. NRC Prenatal Exposure Instructions for female workers

1.3 Specific Radiation Safety Program Regulations And Requirements

1. Richmond Eye and Ear Hospital requirements
2. Specific Conditions and Regulations concerning Richmond Eye and Ear Hospital's NRC License

1.4 Elements Of An Effective Radiation Management Program

1. Restriction of Lixiscope users to only properly trained personnel
2. Security against theft of loss of radioactive material including locking and key control procedures as well as receiving, return and

disposal procedures

3. Through familiarity of authorized users with the correct and licensed use of the device as well as the license itself.
4. Accountability and specific secure storage area for the Lixiscope
5. Quarterly inventory, source exchange, transfer and disposal record keeping.
6. Semi-annual leak testing requirements and records.
7. Potential risks of radiation exposure.
8. Personnel radiation exposure monitoring and maximum permissible radiation doses.
9. "ALARA" philosophy to keep radiation exposures as low as reasonably achievable.
10. NRC posting and labeling requirements and DOT requirements for transport.
11. Record keeping procedures and NRC reporting requirements.

1.5 Lixiscope Instruction Manual And Specific Safety Instructions

1. Characteristics of I-125 source including a discussion on the radiation characteristic such as energy, penetration, half life, etc.
2. Basic radiation safety principles of time, distance and shielding.
3. Demonstration and explanation of Lixiscope operation.
4. Unit malfunction and emergency procedures.

1.6 Training Course Completion

1. Certification of trainees.

The expected duration of the training course is 2 to 3 hours when presented on an individual basis. With larger class sizes of 4 to 6 trainees the expected duration of the course would be 3 to 4 hours.

LIXISCOPE - TRAINING COURSE OUTLINE

1. Overview of federal NRC and Agreement State Regulations for Radiation Protection. (Special emphasis on 10 CFR Parts 19 & 20)..... *my*.....
(initial)
2. General Radiation Safety Instructions to Workers. *my*.....
NRC Regulation Guide...*my*..... (initial) (initial)
NRC Prenatal Exposure Instructions for any female workers. *my*.....
(initial)
3. Need for Specific Radiation Safety Program for each Lixiscope Licensee Regulations and License Conditions ...*my*.....
(initial)
4. Elements of an Effective Radiation Management Program
 - a. Restricted Users (Only trained personnel can use Lixiscope). *my*.....
(initial)
 - b. Security against theft or loss of radioactive material (includes receiving procedures, key controls and return or disposal procedures.*my*.....(initial)
 - c. Thorough familiarity of licensed users with individual facility application of NRC for licensure, as well as the license itself. *my*.....
 - d. Accountability and specific secure storage area for the Lixiscope. *my*.....
 - e. Quarterly inventory and source exchange or transfer or disposal. *my*.....
 - f. Semi-annual leak test records and how to use leak test kits. *my*.....
 - g. Discussion of radiation surveys - if required by NRC. *my*.....
 - h. Personnel exposure monitoring systems - film and TLD badges. *my*.....
 - i. Maximum permissible doses (MPD) and how to read film badge reports. *my*.....
 - j. "ALARA" philosophy - to keep radiation exposures as low as reasonably achievable.*my*.....
 - k. NRC posting and labeling requirements and DOT requirements in any transportation. *my*.....
 - l. Reason for R.S.O. and duties of this individual. *my*.....
 - m. Advantages of centralized record system (recommended type). *my*.....
 - n. Review of required reports and sample forms and "year at a glance" management chart.*my*.....
 - o. Audits, annual safety reviews and preparation for inspections. *my*.....
 - p. New users personnel orientation and license amendments. *my*.....
5. Elements of an NRC license and application.
 - a. Discuss licensing checklist resumes, and individual or special needs.*my*.....
 - b. Review licensing services or consultation available. *my*.....
6. Review of the Lixiscope Instruction Manual and specific safety instructions.
 - a. Characteristics of I-125 source and discussion of half-life.*my*.....
 - b. Inverse square law and basic radiation safety principles of time distance and shielding.*my*.....

- c. Demonstrate Lixiscope operation. *my*
- d. Additional references and consultation available. *my*
- e. Final Question and Answer Session. *my*

This is to certify that all topics appearing in this outline were covered in a formal training session which has been approved by the Nuclear Regulatory Commission.

Print..Dr.. Wyndell H. Merritt.....
(Name of Attendee)

Signature *Wyndell H. Merritt*.....

Date... December 24, 1984.....

Signature *Stanley N. Friedman*.....
(Instructor)

Date... December 24, 1984.....

HANDOUTS RECEIVED:

U.S. NUCLEAR REGULATORY COMMISSION REGULATORY GUIDE - INSTRUCTIONS CONCERNING
PRENATAL RADIATION EXPOSURE *my*

U.S. NUCLEAR REGULATORY COMMISSION APPENDIX TO REGULATORY GUIDE 8.13
POSSIBLE HEALTH RISKS TO CHILDREN OF WOMEN WHO ARE EXPOSED TO RADIATION
DURING PREGNANCY *my*

OTHER MATERIALS RECEIVED :

- Sample Leak Test Certificate *my*
- Sample Shipper's Certification for Radioactive Materials *my*
- Sample Applications for Byproducts Materials License *my*
- Sample Instructions for Preparation of Application for Radioactive
Materials License *my*
- Sample CAUTION RADIOACTIVE MATERIALS *my*
- Sample Lixiscope Accountability and Source Exchange Record

Lixiscope - Training Course Outline

(Registration of Attendees and Introduction to Course)

1. Overview of federal NRC and Agreement State Regulations for Radiation Protection. (Special emphasis on 10CFR Parts 19 & 20)
2. General Radiation Safety Instructions to Workers.
NRC Regulation Guide
NRC Prenatal Exposure Instructions for any female worker
3. Need for Specific Radiation Safety Program for each Lixiscope Licensee (Regulations and License conditions)

(Question - Answer Session and Break)

4. Elements of an Effective Radiation Management Program
 - a) Restricted Users (only trained personnel can use Lixiscope).
 - b) Security against theft or loss of radioactive material (includes receiving procedures, key controls and return or disposal procedures).
 - c) Thorough familiarity of licensed users with individual facility application to NRC for licensure, as well as the license itself.
 - d) Accountability and specific secure storage area for the Lixiscope(s).
 - e) Quarterly inventory and source exchange or transfer or disposal records.
 - f) Semi-annual leak test records and how to use leak test kits.
 - g) Discussion of radiation surveys - if required by NRC.
 - h) Personnel exposure monitoring systems - film and TLD badges.
 - i) Maximum permissible doses (MPD) and how to read film badge reports.
 - j) "ALARA" philosophy - to keep radiation exposures as low as reasonably achievable.
 - k) NRC posting and labeling requirements and DOT requirements in any transportation.
 - l) Reason for R.S.O. and duties of this individual.
 - m) Advantages of centralized record system (recommended type).
 - n) Review of required reports and sample forms and "year at a glance" management chart.
 - o) Audits, annual safety reviews and preparation for inspections.
 - p) New users personnel orientation and license amendments.

(Question - Answer Session and Break)

5. Elements of an NRC license application.
 - a) Discuss licensing checklist resumes and individual or special needs.
 - b) Review licensing services or consultation available.

6. Review of the Lixiscope Instruction Manual and specific safety instructions.

- a) Characteristics of I-125 source and discussion of half-life.
- b) Inverse square law and basic radiation safety principles of time, distance and shielding.
- d) Demonstrate Lixiscope operation.
- e) Final Question and Answer Session.
- f) Test.
- g) Certification of Attendance or Completion.

Total Course Time = Approximately $4\frac{1}{2}$ to $5\frac{1}{2}$ hours with 3 ten minute breaks = 5 to 6 hours total time (not counting 15 minute test).

NOTE: These are very rough time estimates. With smaller classes it may be possible to complete the course in 2 or 3 hours total time.

MEN
EXPERIENCE
AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER

2. STATE

WHERE

PDAC

3. DATE

4. YEAR

Dr. Wyndell H. Merritt, M.D.

Va. 0101-026492

3. CERTIFICATION

SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C
American Board of Plastic & Reconstructive Surgery		1976

4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES

FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING	
		LECTURE/ LABORATORY COURSES (Hours) C	SUPERVISED LABORATORY EXPERIENCE (Hours) D
a. RADIATION PHYSICS AND INSTRUMENTATION	Davidson College B.S. 1962 Un. of N.C. Sch. of Med M.D. 1966	OVER 30 HOURS	
b. RADIATION PROTECTION	Lixiscope Training Course Course Outline Attached	2 HOURS	
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY			
d. RADIATION BIOLOGY	Davidson College B.S. 1962 North Carolina Un. of N.C. Sch. of Med. M.D. 1966	OVER 45 HOURS	
e. RADIOPHARMACEUTICAL CHEMISTRY			

5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE

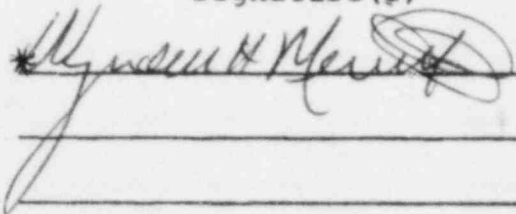
TRAINING CERTIFICATE

RADIATION SAFETY AND EXPERIENCE

Ref: NRC 3131 - Items 16 & 17

Item 16-Training

This certifies that the following individual(s) have taken the Lixi, Inc., Radiation Safety Course on file with the Nuclear Regulatory Commission:

Names (Type or Print)	Signature(s)
<u>Dr. Wyndell H. Merritt</u>	<u></u>
<u> </u>	<u> </u>
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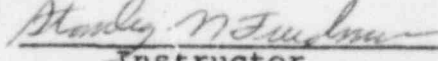
Item 17 - Experience

The applicant(s) and the instructor signing this certificate hereby attest that this document is executed in conformance to Title 10, Code of Federal Regulations and to the best of our belief, is true and correct. The applicant(s) has/have received instruction in the operation of the Lixiscope, and has operated a working model under the supervision of the instructor.

WARNING: 18 U.S.C., Section 1001; Act of June 25, 1948; 62 Stat. 749; makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

Training completed: December 24, 1984
date

Certified by: Stanley N. Friedman
Instructor

Signed: 
Instructor

Date: December 24, 1984

Under license #: 19-20680-01

CURRICULUM VITAE

NAME: Wyndell H. Merritt, M.D.

DATE & PLACE OF BIRTH: April 8, 1940
Chapel Hill, North Carolina

CITIZENSHIP: United States

SOCIAL SECURITY #: 246-58-7923

MARITAL STATUS & DEPENDENTS: Divorced Two children

HOME ADDRESS & TELEPHONE #: 3413 Gloucester Road
Richmond, Virginia 23227
(804) 358-0957

OFFICE ADDRESS & TELEPHONE #: 2002 Bremo Road, Suite 202
Richmond, Virginia 23226
(804) 282-2112

LICENSURE: 1966 - State of North Carolina
1968 - State of Florida
1975 - State of Georgia
1975 - State of Virginia

BOARD CERTIFICATION:

American Board of Plastic & Reconstructive Surgery - 1976

EDUCATION:

General Surgery Training 1966-1973
(Board Qualified)
University of Florida
School of Medicine

Stanford Medical School Spring 1972
Palo Alto, California
Studies of Microvascular Techniques

University of North Carolina M.D. 1966
School of Medicine

Davidson College B.S. 1962
North Carolina

Oak Ridge Institute of Nuclear Studies Summer 1960
Student Fellowship

MILITARY SERVICE RECORD:

Major, U.S. Army Medical Corps: 85th Evacuation Hospital,
South Vietnam - 1968-1969

Honors: Bronze Star Medal, 1969
Viet-Nam Chong-Hoa Y-te Boi-Tinh by South
Vietnamese government for work in reconstructive
surgery on leprosy patients, 1967.

POSTDOCTORAL TRAINING OR SPECIAL EXPERIENCE:

1966-1968 Intern and Junior Assistant Resident in Surgery,
University of Florida Teaching Hospital, Gainesville,
Florida
1968-1969 Major, U.S. Army Medical Corps: 85th Evacuation
Hospital, South Vietnam
1969-1970 Womack Army Hospital Department of Surgery
Fort Bragg, North Carolina
1970-1973 Senior Assistant Resident and Chief Resident
General Surgery, University of Florida Teaching
Hospital, Gainesville, Florida
1973-1975 Fellow in Plastic Surgery, University of Arizona
Medical Center, Tucson, Arizona
1975 Fellow in Plastic Surgery, Emory University,
Atlanta, Georgia

ACADEMIC APPOINTMENTS OR OTHER SIGNIFICANT EXPERIENCE:

1973-1975 Instructor in General Surgery, University of Arizona
Medical Center, Tucson, Arizona
July 1975 Assistant Professor of Surgery, Medical College of
Virginia, Richmond, Virginia
1975 Chief of Plastic Surgery, McGuire V.A. Hospital
1977 Henrico Doctors' Hospital, Courtesy Staff
1977 Richmond Memorial Hospital, Active Staff
1978 Medical Director, MCV Hand Management Center
1979 Chairman, MCV Medical Records Committee
1979 Richmond Metropolitan Hospital, Courtesy Staff
1979 Richmond Eye and Ear Hospital, Courtesy Staff
1979 The Retreat Hospital, Courtesy Staff
1980 Stuart Circle Hospital, Courtesy Staff
1980 American Society of Plastic and Reconstructive Surgeons,
Exhibits Committee for 1980 meeting in New Orleans
1980 Southeastern Society of Plastic and Reconstructive
Surgeons, CME Program Chairman and Audiovisual Chairman
for 1980 meeting in White Sulphur Springs
1980 Southeastern Society of Plastic and Reconstructive
Surgeons, Medical Economic Committee member
July 1981 Associate Professor of Surgery, Medical College of
Virginia, Richmond, Virginia
1982 Plastic Surgery Research Council, moderator of scientific
session for 1982 meeting in La Jolla, California
1982 Plastic Surgery Research Council, panel member of special
interest discussion group on wound healing for 1982 meeting
in La Jolla, California
1983 St. Mary's, St. Luke's, Petersburg General, Chippenham, and
Johnston-Willis Hospitals - Provisional Attending Staff
1984 Children's Hospital - Provisional Attending Staff

- 1982 American Association for Hand Surgery, session moderator and discussant of papers on cartilage grafting for 1982 meeting in Hawaii.
- 1982 American Society of Plastic and Reconstructive Surgery, Undergraduate Educational Committee, Educational Foundation
- 1983 American Society of Plastic and Reconstructive Surgery, member of Speakers Bureau
- 1983 American Association for Hand Surgery, Board member and Program Chairman for 1983 meeting.
- 1983 Plastic Surgery Research Council, Grant Review Committee member and Plastic Surgery Educational Foundation member.
- 1983 Plastic Surgery Research Council, session moderator on wound healing for 1983 meeting at Duke University, Chapel Hill, North Carolina
- 1983 The International Society of Reconstructive Microsurgery, session moderator on how replanted digits get stiff: mechanism and management for the Seventh Symposium in New York City.
- 1983 Assistant Clinical Professor of Surgery, Medical College of Virginia, Richmond, Virginia.
- 1983 Recording Secretary, Plastic Surgery Section, St. Mary's Hospital and Richmond Memorial Hospital, Richmond, Virginia.
- 1984 American Association for Hand Surgery Nominating Committee Chairman for 1984.
- 1984 American Society of Reconstructive Microsurgery Founding Member.
- 1984 Richmond Eye and Ear Hospital member of Medical Equipment Committee and Public Relations/Marketing.

MEMBERSHIPS - PROFESSIONAL SOCIETIES

Plastic Surgery Research Council - 1978
Southeastern Society of Plastic and Reconstructive Surgeons - 1976
Richmond Surgical and Gynecological Society - 1977
Medical Society of Virginia - 1976
Womack Surgical Society - 1977
Association of Academic Surgeons - 1976
Virginia Plastic Surgery Society - 1977
Richmond Academy of Medicine - 1976
American Association for Hand Surgery - 1979
American Society of Plastic and Reconstructive Surgeons - 1978
International Society of Reconstructive Microsurgery - 1981
American Society for Surgery of the Hand - 1981
American Association of Plastic Surgeons - 1984
Lipolysis Society of North America - 1983

BIBLIOGRAPHY

Publications

1. Merritt, W.H., Peacock, E.E., Jr., and Chvapil, M.: Comparative biology of fascial autografts and allografts. *Surgical Forum* XXV, 524, 1974.
2. Merritt, W.H., Peacock, E.E., Jr., and Chvapil, M.: Studies on the inductive capacity of canine fascia lata. *Surgical Forum* XXVI, 553, 1975.
3. Merritt, W.H. and Someren, A.: Tenosynovial chondroma of the hand. *Surgical Pathology*, Vol 9, #4, 476, July, 1978.
4. Theogaraj, S.D. and Merritt, W.H.: Correction of crippling perineal defects with myocutaneous flaps. Published in the Transactions of the VII International Congress of Plastic Surgery held in Rio de Janeiro, May 20-25, 1979.
5. Merritt, W.H., Szumski, A.J., and Clamann, H.P.: Influence of scar maturation in nerve grafts. Published in the Transactions of the VII International Congress of Plastic Surgery held in Rio de Janeiro, May 20-25, 1979.
6. Theogaraj, S.D. and Merritt, W.H.: Laryngeal suspension in head and neck surgery. *Head and Neck*, Butterworth and Company Publishers Ltd., 1979, London.
7. Acharya, G., Merritt, W.H., and Theogaraj, S.D.: Hemangioendotheliomas of the hand: case reports. *Journal of Hand Surgery*, 5:181, 1980.
8. Theogaraj, S.D., Merritt, W.H., Acharya, G., and Cohen, I.K.: The pectoralis major myocutaneous island flap in single stage reconstruction of the pharyngoesophageal region. *Plastic and Reconstructive Surgery*, 65:267, 1980.
9. Merritt, W.H.: Neurovascular free flap reconstruction of the heel: case reports; Dorsalis pedal free flap reconstruction of the nose: case report; Esophageal free flap reconstruction using ileum: case report; Replantation of upper and lower extremities (moderator of panel); Influence of scar maturation in nerve grafts and repairs. Microsurgery Symposium sponsored by the Squibb Company, Leeds Castle, England, June 23-25, 1980. (In Press by the Squibb Company).
10. Merritt, W.H., Hardy, M.A., and Acharya, G.: Treatment for Raynaud's: preliminary results of temperature biofeedback therapy and digital artery sympathectomy. Abstract published in *Orthopaedic Transactions*, September, 1980.
11. Hardy, M.A., Moran, C.A., and Merritt, W.H.: Desensitization of the traumatized hand. Abstract published in *Orthopaedic Transactions*, September, 1980, and *Virginia Medical*, February, 1982.
12. Merritt, W.H.: Complications of hand surgery. In: *Complications in Surgery and Trauma*. L.J. Greenfield (Ed.), Lippincott, Philadelphia. pp 852-885, 1984.

13. Merritt, W.H. and Moran, C.A.: An advanced master's program in hand therapy: a review. *Journal of Hand Surgery*, Vol. 7, #3, p. 310, May, 1982
14. Graham, M.F., Becker, H., Cohen, I.K., Merritt, W.H., and Diegelmann, R.F.: Intrinsic tendon healing - documentation by in vitro studies. *Journal of Hand Surgery*, Vol. 7, #4, p. 410, July, 1982.
15. Merritt, W.H. and Hardy, M.A.: A model to study sympathetic dystrophy: psychological testing and biofeedback results. *Journal of Hand Surgery*, Vol. 7, #4, p. 415, July, 1982.
16. Neifeld, J.P., Merritt, W.H., Theogaraj, S.D., and Parker, G.A.: Tubed pectoralis major musculocutaneous flaps for cervical esophageal replacement. *Annals of Plastic Surgery*, Vol. 11, #1, July, 1983.
17. Mehrhof, A.I., Jr., Rosenstock, A., Neifeld, J.P., Merritt, W.H., Theogaraj, S.D., and Cohen, I.K.: The pectoralis major myocutaneous flap in head and neck reconstruction - Analysis of complications. *The American Journal of Surgery*, Vol. 146, p. 478-482, October, 1983.
18. Graham, M.F., Becker, H., Cohen, I.K., Merritt, W.H., and Diegelmann, R.F.: Intrinsic tendon fibroplasia: Documentation by in vitro studies. *Journal of Orthopaedic Research*, 1:251-256, Raven Press, New York, 1984 Orthopaedic Research Society.
19. Merritt, W.H.: Reflex sympathetic dystrophy and management of the dystrophic hand. *The hand and upper extremity volume 7 and 8, Converse Textbook of Plastic Surgery*, W.B. Saunders & Company, 1985. In press.

Papers Presented

1. Merritt, W.H.: Important variables of wound healing. Medical Institute for Attorneys, Richmond, Virginia, 1975.
2. Merritt, W.H.: Use of extra-coelomic omentum in the treatment of electric burns. American Burn Association, San Antonio, Texas, April, 1976.
3. Merritt, W.H., Cohen, I.K., and Theogaraj, S.D.: Versatility of the Ribeiro mammoplasty technique. American Society of Plastic and Reconstructive Surgery, Boston, Massachusetts, September, 1976.
4. Merritt, W.H.: Studies of the biological response of fascia to injury. Plastic Surgery Research Council, Downey, California, April 18, 1977.
5. Merritt, W.H.: Peripheral nerve injuries. Medical Institute for Attorneys, Richmond, Virginia, October 1, 1977.
6. Merritt, W.H. and Acharya, G.: Hemangioendotheliomas of the hand. Symposium of Military Plastic Surgery, Washington, D.C., January, 1978.
7. Merritt, W.H.: Influence of scar maturation in nerve grafts. Plastic Surgery Research Council, Richmond, Virginia, May 25, 1978.
8. Merritt, W.H.: What's new in hand surgery. American Society of Plastic and Reconstructive Surgery, Hollywood, Florida, November, 1978.
9. Merritt, W.H.: Influence of scar maturation in nerve grafts. VII International Congress of Plastic Surgery, Rio de Janeiro, May 25, 1979.
10. Merritt, W.H.: Plastic surgical techniques: repair of facial injuries and burns. Medical Institute for Attorneys, Richmond, Virginia, September 28, 1979.
11. Merritt, W.H.: Microsurgery in combat zones. Military Plastic Surgery Meeting, Washington, D.C., January, 1980.
12. Merritt, W.H., Hardy, M.A., and Silverman, J.: A model to study sympathetic dystrophy: preliminary results of temperature biofeedback and psychological testing. Plastic Surgery Research Council, Hershey, Pennsylvania, April 23, 1980.
13. Merritt, W.H.: Mechanism of deformity in rheumatoid arthritis of the hand and correction of ulnar drift. Rheumatology Symposium, Williamsburg, Virginia, April 25-26, 1980.
14. Merritt, W.H., Acharya, G., and Hardy, M.A.: Raynaud's phenomenon: treatment with temperature biofeedback and digital artery sympathectomy. The Atlantic Bone Club, Williamsburg, Virginia, May 3, 1980.

15. Merritt, W.H. and Acharya, G.: Free flap reconstruction for the sole of the foot. Southeastern Society of Plastic and Reconstructive Surgeons, White Sulphur Springs, West Virginia, May 28, 1980.
16. Merritt, W.H.: Temperature biofeedback therapy and sympathetic dystrophy - digital artery sympathectomy. International Society for Surgery of the Hand, The Netherlands, June 19-21, 1980.
17. Merritt, W.H.: Neurovascular free flap reconstruction of the heel: case reports; Dorsalis pedal free flap reconstruction of the nose: case report; Esophageal free flap reconstruction using ileum: case report; Replantation of upper and lower extremities (moderator of panel); Influence of scar maturation in nerve grafts and repairs. Microsurgery Symposium sponsored by the Squibb Company, Leeds Castle, England, June 23-25, 1980.
18. Merritt, W.H., Hardy, M.A., and Acharya, G.: Treatment for Raynaud's: preliminary results of temperature biofeedback therapy and digital artery sympathectomy. American Association for Hand Surgery, New Orleans, Louisiana, September 26, 1980.
19. Merritt, W.H.: Update on wound healing. Plastic Surgery Research Council Research Update Meeting, American Society of Plastic and Reconstructive Surgery, New Orleans, Louisiana, September 30, 1980.
20. Merritt, W.H. and Robinson, S.: New management methods for Raynaud's phenomenon: temperature biofeedback therapy and digital artery sympathectomy. Scientific exhibit, Medical Society of Virginia Annual Meeting, Williamsburg, Virginia, November 7-8, 1980.
21. Merritt, W.H.: The role of microsurgery in military medicine. Society of Consultants to the Surgeon General (panel member), Washington, D.C., November 23, 1980.
22. Merritt, W.H., Johnson, M.L., and Acharya, G.: Complications in forty-five island pectoralis major myocutaneous flaps for head and neck cancer reconstruction: a ten month follow-up.
Merritt, W.H. and Theogaraj, S.D.: Free flap reconstruction of the sole of the foot.
Merritt, W.H. and Theogaraj, S.D.: A complication from free flap ileal esophageal reconstruction.
Merritt, W.H. and Theogaraj, S.D.: Total nose reconstruction using dorsalis pedal free flap, local turnover lining flaps, and iliac bone graft.
Sixth Symposium of the International Society of Reconstructive Microsurgery, Melbourne, Australia, February 5-10, 1981.
23. Merritt, W.H. and Duquette, G.R.: Total nose reconstruction using a dorsalis pedal free flap and iliac bone graft.
Merritt, W.H. and Hardy, M.A.: Treatment for Raynaud's: preliminary results of temperature biofeedback.
Merritt, W.H., Jabaley, M., Furlow, L., and Hayes, C.: A practical panel on hand surgery: tips and techniques.
Southeastern Society of Plastic and Reconstructive Surgeons, Sea Island, Georgia, May 30 - June 4, 1981.

24. Merritt, W.H., Moran, C.A., Adelaar, R., and Mehrhof, A.I., Jr.: Is there functional re-activation of the dorsal intrinsic after MCP arthroplasty?
American Association for Hand Surgery, New York, New York, October 16, 1981.
25. Merritt, W.H., Acharya, G., and Johnson, M.L.: Complications in forty-five island pectoralis major myocutaneous flaps for head and neck cancer reconstruction: a thirteen month follow-up.
American Society of Plastic and Reconstructive Surgeons, New York, New York, October 23, 1981.
26. Merritt, W.H. and Moran, C.A.: An advanced master's program in hand therapy: a review.
American Society of Hand Therapists Annual Meeting, New Orleans, Louisiana, January 16-17, 1982.
27. Merritt, W.H. and Hardy, M.A.: A model to study sympathetic dystrophy: psychological testing and biofeedback results.
American Society for Surgery of the Hand Annual Meeting, New Orleans, Louisiana, January 18-20, 1982.
28. Merritt, W.H. and Moran, C.A.: Comparison of sensory testing methods in carpal tunnel syndrome patients.
Plastic Surgery Research Council Annual Meeting, La Jolla, California, March 15-17, 1982.
29. Merritt, W.H., Graham, M., Diegelmann, R., and Cohen, I.K.: Tendon fibroblast response to fibrin: a possible explanation of adhesion formation.
Plastic Surgery Research Council Annual Meeting, La Jolla, California, March 15-17, 1982.
30. Merritt, W.H.: Principles of wound healing as they apply to the clinical practice of physical therapists.
Virginia Physical Therapy Association State Meeting, Williamsburg, Virginia, April 24, 1982.
31. Merritt, W.H.: Bad sores and ugly faces. Visiting Professor, Walter Reed Army Hospital, Plastic Surgery Service, Washington, D.C., June 5, 1982.
32. Merritt, W.H.: An American surgeon looks at leprosy. Visiting Lecturer, Sixth Annual Up-Date in Neuroscience, sponsored by the McGuire Veterans' Hospital Neurology Service, Virginia Beach, Virginia, July 17, 1982.
33. Merritt, W.H.: Reconstruction of the rheumatoid hand. Visiting Lecturer, Local Medical Society Meeting, Huntington, West Virginia, October, 1982.
34. Merritt, W.H.: Omental free flap closure of infected craniofacial defects. Transverse cervical neurovascular free flap for closure of plantar defects. The Seventh Symposium of the International Society of Reconstructive Microsurgery, New York, New York, June 20-23, 1983.

35. Merritt, W.H. and Jelalian, C.: Cancer of the breast and breast reconstruction. The New Kent Chapter of the American Cancer Society and the New Kent Extension Service Health Symposium, October 4, 1983.
36. Merritt, W.H.: Essential palmistry in the practice of hand surgery. American Association for Hand Surgery Thirteenth Annual Meeting, Dallas, Texas, October 28, 1983.
37. Merritt, W.H.: The stiff hand. Panel presentation on methods to reduce hand complications. American Association for Hand Surgery, Dallas, Texas, October 30, 1983.
38. Merritt, W.H.: Biological mechanism of deformity in the rheumatoid hand: technical considerations. Temperature biofeedback, streptokinase, and digital artery sympathectomy for Raynaud's phenomenon. Visiting Professor, (guest lecturer) Southern Illinois University School of Medicine, Springfield, Illinois, November 7, 1983.
39. Merritt, W.H.: Reconstruction of the breast: a study of choices. Richmond Metropolitan Hospital Special Meeting, Richmond, Virginia, December 1, 1983.
40. Merritt, W.H.: Management and complications of injuries to the hand. Three day seminar at Philip Morris Tobacco Company, Richmond, Virginia, December 2, 9, and 16, 1983.
41. Merritt, W.H.: Malignant vascular tumors of the hand. Psychological aspects of reflex sympathetic dystrophy. Temperature biofeedback in Raynaud's. Clinical use of streptokinase. Concepts of edema. Panel presentations for the American Association for Hand Surgery mid-winter meeting, Lake Tahoe, Nevada, February 26 - March 2, 1984.
42. Merritt, W.H.: Reconstructive microsurgery: evolution and application. Visiting Professor (guest lecturer - Surgical Grand Rounds - March 5, 1984), University of Tennessee Memorial Research Center and Hospital, March 5 and 6, 1984.
43. Merritt, W.H. and Rosenblum, N.I.: Preliminary results of nasal cartilage arthroplasty of the hand. Southeastern Society of Plastic and Reconstructive Surgeons, Williamsburg, Virginia, May 3, 1984.
44. Merritt, W.H.: Are TMJ and RSD patients turkeys? Guest speaker at Honorary Dental Society dinner sponsored by the Medical College of Virginia School of Dentistry, Richmond, Virginia, May 31, 1984.
45. Merritt, W.H.: Role of anti-inflammatory and fibrinolytic agents in wound healing and clinical microcirculatory problems. Invited speaker - Ayerst Laboratories Research, Inc., Pharmacology Department, Princeton, New Jersey, September 14, 1984.
46. Merritt, W.H.: Microvascular surgery. Guest speaker at Medical Society of Virginia Annual Meeting, Williamsburg, Virginia, November 9 - 10, 1984.

47. Merritt, W.H. and Rosenblum, N.I.: Preliminary results of nasal cartilage arthroplasty of the hand. Fourteenth Annual Meeting of The American Association for Hand Surgery, Acapulco, Mexico, November 26, 1984.
48. Merritt, W.H.: Are reflex sympathetic dystrophy patients turkeys? Fourteenth Annual Meeting of The American Association for Hand Surgery Spouse Program, Acapulco, Mexico, November 28, 1984.
49. Merritt, W.H.: The biology of the stiff hand. Plastic Surgery Grand Rounds Visiting Professor, The George Washington University Medical Center, Washington, D.C., December 12, 1984.