

CURRICULUM VITAE

September 1, 1966

p. 701

Name: James Walter Buchanan

Date of Birth: January 15, 1935

Place of Birth: Jackson, Michigan

Marital Status: Married, 4 children

Military Status: Completed 23 months in U.S. Army
2nd Armd Div. Band, Germany

Religion: Methodist

Education: Graduated from Jackson High School in 1952
Attended Jackson Junior College 1 year, then transferred to
Michigan State University for 1 year
U.S. Army 1954-56
Re-entered M.S.U. and received B.S. in 1958
D.V.M. in 1960
Graduate School of Medicine, University of Pennsylvania
1961-62 (8 months course in cardiology)

Scholastic Honors: 1958 - R.A. Runnells Award for highest grades in pathology
1959 - Catherine Patton Award for highest grades in
physiology
1960 - Borden Award for highest grades in class

College Activities: M.S.U. Student Chapter A.V.M.A. (President 1959-1960)
M.S.U. Marching Band
Intramural Hockey
Activities Carnival

Job Experiences: Meat Cutter (4 years part-time)
Salesman (6 months part-time)
Musician (8 years week-ends)
Factory (4 months)
Kennelman (Summer 1957) Dr. J.B. Engle; Summit, N.J.
Post-mortem Asst. (Summer 1958) Dr. K.G. Libka, M.S.U.
Research Asst. (Summer 1958) Dr. J.A. Williams, M.S.U.
Veterinary Asst. (Summer 1959) Dr. K. Fraser; Niles, Mich.
Race Track (2 seasons) Dr. G. Bennett, Jackson Raceway
Instructor in Cardiology, University of Pennsylvania, School
of Veterinary Medicine, June 1960 to July 1961.
Postdoctoral Research Fellow, National Heart Institute
July 1961 to June 1964.
Clinical Investigator, Comparative Cardiovascular Studies
Unit, University of Pennsylvania, July 1964 to Feb. 1966.
Assistant Professor of Cardiology, University of Pennsylvania,
School of Veterinary Medicine (July 1964-1967).

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Hobbies: Music, Photography, Bowling, Tennis

Honoraries: Phi Zeta (Veterinary Society)
Alpha Zeta (Agricultural Society)

Member of: American Veterinary Medical Association
American Heart Association
American Association of Veterinary Clinicians
American Society of Veterinary Physiologists and Pharmacologists

Films Produced: 1. Surgical Correction of Patent Ductus Arteriosus.
(Buchanan, J.W., 1963, Color, 16 mm., silent, 22 min.)

2. Exploratory Cardiotomy in a Horse.
(Buchanan, J.W., 1964, Color, 16 mm., silent, 12 min.)

3. Pneumatic Device for Direct Cardiac Massage.
(Anstadt, G.W., 1965, Color, 16 mm., silent, 5 min.)

4. Persistent Right Aortic Arch: Diagnosis and Surgery.
(Buchanan, J.W., 1966, Color, 16 mm., silent, 4 min.)

Publications:

1. Buchanan, J.W.; Detweiler, D.K.; and Hubben, K.:
Clinico-Pathologic Conference: Pulmonic Stenosis and Patent Foramen Ovale in a Dog.
Jr. Amer. Vet. Med. Assoc. 139: 701-707, 1961
2. Marshak, R.M.; Buchanan, J.W.; and Sauer, R.M.:
Clinico-Pathologic Conference: Chronic Nephritis in a Bull.
Jr. Amer. Vet. Med. Assoc. 139: 925-930, 1961
3. Buchanan, J.W.:
Persistent Left Cranial Vena Cava in Dogs: Angiocardiography, Significance, and Co-existing Anomalies.
J. Am. Vet. Radiol. Soc. 4: 1-8, 1963
4. Buchanan, J.W.; and Kelly, A.M.:
Endocardial Splitting of the Left Atrium in Dogs with Hemorrhage and Hemopericardium.
J. Am. Vet. Radiol. Soc. 5: 28-39, 1964
5. Buchanan, J.W.:
Chronic Valvular Fibrosis. The Heart and Circulation.
2nd National Conference on Cardiovas. Dis., Vol. 1, 211-212, 1964
6. Buchanan, J.W.:
Spontaneous Arrhythmias and Conduction Disturbances in Domestic Animals.
Ann. N.Y. Acad. Sci. Monograph on Comparative Cardiology 127: 224-238, 1965

Continuation of Publications:

7. Buchanan, J.W.:
Selective Angiography and Angiocardiography in Dogs with Acquired Cardiovascular Disease.
J. Am. Vet. Radiol. Soc., 6: 5-20, 1965
8. Buchanan, J.W. and Patterson, D.F.:
Selective Angiography and Angiocardiography in Dogs with Congenital Cardiovascular Disease.
J. Am. Vet. Radiol. Soc., 6: 21-39, 1965
9. Buchanan, J.W.:
Surgical Treatment of Congenital Cardiovascular Diseases. In.
Current Veterinary Therapy, 1966-1967, Ed. R.W. Kirk. W.B. Saunders Co., Phila., Pa. Pages 87-103
10. Buchanan, J.W. and Pyle, R.L.:
Cardiac Tamponade During Catheterization of a Dog with Congenital Heart Disease.
J.A.V.M.A., 149: 1056-1066, 1966
11. Buchanan, J.W.; Baker, G.J.; and Hill, J.D.
Aortic Embolism in Cats: Prevalence, Surgical Treatment, and Electrocardiography.
Veterinary Record. 79: 496-505, 1966
12. Buchanan, J.W.; Patterson, D.F.; and Soma, L.R.:
Patent Ductus Arteriosus Surgery in Dogs Weighing 490-3,200 Gms. Jr. Thoracic and Cardiovas. Surg. Manuscript submitted.
13. Moore, E.N.; Jomain, S.L.; Stuckey, J.H.; Buchanan, J.W.; and Hoffman, B.F.: Experimental Studies on Ectopic Atrial Rhythm in Dogs.
Am. J. Cardiol. Manuscript submitted.
14. Buchanan, J.W.; Rhodes, W.H.; Patterson, D.F.; and Detweiler, D.K.:
Chapter on Radiology of the Heart. In Veterinary Radiology. Ed. W. Carlson. In preparation.

Lectures by Invitation:

1. Aspects of Cardiology in Animals Differing from Man.
(Philadelphia General Hospital Cardiology Seminar, March 1962)
2. Electrocardiography in Animals.
(Buffalo Academy of Veterinary Medicine, December 1962)
3. Mitral Valve Disease in Dogs.
(Tennessee Vet. Med. Assoc., January 1963)
4. Congenital Heart Disease in Animals.
(Tennessee Vet. Med. Assoc., January 1963)

5. The Role of Clinical Cardiology in Veterinary Medicine.
(Maryland Vet. Med. Assoc., December 1963)
6. Diagnosis and Surgical Correction of Patent Ductus Arteriosus and Persistent Right Aortic Arch in Dogs.
(University of Pennsylvania Conference of Veterinarians, January 1964)
7. Diagnosis and Significance of Valvular Insufficiency.
(Michigan State University Postgraduate Conference for Veterinarians, January 1964)
8. Treatment and Management of Cardiac Diseases.
(Michigan State University Postgraduate Conference for Veterinarians, January 1964)
9. Surgical Correction of Patent Ductus Arteriosus.
(Amer. Vet. Med. Assoc., July 1964)
10. Diagnosis of Cardiac Disease.
(Pennsylvania Veterinary Medical Association, October 1964)
11. Some Aspects of Inhuman Cardiology.
(Lankenau Hospital Research Seminar, November 1964)
12. Pulmonary Changes in Canine Dirofilariosis.
(Pulmonary Disease Seminar - Hospital of the Univ. of Pa., December 1964)
13. Diagnosis and Treatment of Cardiovascular Diseases in Dogs.
(Long Island Veterinary Association, March 1965)
14. Diagnosis and Surgical Treatment Patent Ductus Arteriosus and Persistent Right Aortic Arch in Dogs.
(northern New Jersey Veterinary Association, May 1965)
15. One Day Course in Small Animal Cardiology.
(California Veterinary Medical Association, October 1965)
16. Radiology of the Heart.
(American Animal Hospital Association, March 1966)
17. Surgical Correction of Patent Ductus Arteriosus and Persistent Right Aortic Arch in Dogs.
(Cine-Clinic, American Veterinary Medical Association, July 1966)