

Media Support	Label Étiquette	Volume	File Dossier	Access code Code d'accès	Title Titre	Extent Étendue	Date	Language Langue	Place of creation Lieu de création
<b>PERSONAL</b>									
Textual	MG31 J 31	1	1	Open	Hopps, J.A. Biographical Data		n.d., 1986	English	Unknown
Textual	MG31 J 31	1	2	Open	Hopps, J.A. Clippings		1973-1985	English	Unknown
Textual	MG31 J 31	1	3	Open	Hopps, J.A. List of Talks and Publications		n.d.	English	Unknown
Textual	MG31 J 31	1	4	Open	Hopps, J.A. McNaughton Award		October 1985	English	Unknown
Textual	R4339	6	1	Open	Hopps, J.A. Honours and Awards		1971-1987	English	Unknown
Textual	R4339	6	2	Open	Hopps, J.A. Front Page Challenge – Guest Appearance		May 1984	English	Unknown
Textual	R4339	6	3	Open	Hopps, J.A. Dr William (Bill) G. Bigelow – Correspondence		1980-1988	English	Unknown
Textual	R4339	6	4	Open	Hopps, J.A. “Passing Pulses” – Outline and Notes		n.d.	English	Unknown
Textual	R4339	6	5	Open	Hopps, J.A. “Passing Pulses” – Frontpiece, Drafts		n.d., 1989	English	Unknown
Textual	R4339	6	6	Open	Hopps, J.A. “Passing Pulses” – Chapters 7-9, Draft		n.d.	English	Unknown
Textual	R4339	6	7	Open	Hopps, J.A. “Passing Pulses” – Biographical Information and Notes		1986-1993	English	Unknown
Textual	R4339	6	8	Open	Passing Pulses. Pacemakers and Cardiac Problems – Internet searches, Printouts		1995	English	Unknown
Textual	R4339	6	9	Open	Hopps, J.A. “Passing Pulses – The Pacemaker and Medical Engineering: A Canadian Story”		1995	English	Unknown
<b>ARTICLES, LECTURES AND TALKS</b>									
Textual	MG31 J 31	1	5	Open	Bigelow, W.G. et al. "General Hypothermia for Experimental Intracardiac Surgery" - <u>Annals of Surgery</u>		September 1950	English	Unknown
Textual	MG31 J 31	1	6	Open	Hopps, J.A. "Electric Stimulation of the Heart" - NRC Report ERB 266		May 1952	English	Unknown
Textual	MG31 J 31	1	7	Open	Bigelow, W.G. et al. "Radio Frequency Rewarming in Resuscitation from Severe Hypothermia" - <u>Canadian Journal of Medical Sciences</u>		June 1952	English	Unknown
Textual	MG31 J 31	1	8	Open	Hopps, J.A. "Diathermy Tests at Winnipeg General Hospital; Visits to Mayo Clinic and Michigan State University Hospital" - NRC Report ERB 290		July 1952	English	Unknown
Textual	MG31 J 31	1	9	Open	Hopps, J.A. "Review of Technical Papers Presented at the 5th Conference on Electronic Instrumentation and Nucleonics in Medicine" - NRC Report ERB 300		January 1953	English	Unknown

Media Support	Label Étiquette	Volume	File Dossier	Access code Code d'accès	Title Titre	Extent Étendue	Date	Language Langue	Place of creation Lieu de création
Textual	MG31 J 31	1	10	Open	Hopps, J.A. "Electric Countershock Treatment of Ventricular Fibrillation" - NRC Report ERB 267		June 1953	English	Unknown
Textual	MG31 J 31	1	11	Open	Hopps, J.A. & Bigelow, W.G. "Electrical Treatment of Cardiac Arrest: A Cardiac Stimulator-Defibrillator" - <u>Surgery</u>		October 1954	English	Unknown
Textual	MG31 J 31	1	12	Open	Hopps, J.A. "Electrical Applications in Medicine" - Science Association		April 1955	English	Unknown
Textual	MG31 J 31	1	13	Open	Hopps, J.A. "Electronics in Medicine" Institute of Radio Engineers, Winnipeg Section		January 1956	English	Unknown
Textual	MG31 J 31	1	14	Open	Hopps, J.A. "Electronic Resuscitation of the Heart" <u>Financial Post</u> , Proposed Article		August 1956	English	Unknown
Textual	MG31 J 31	1	15	Open	Hopps, J.A. "Electronic Applications in Cardio-Vascular Surgery" - <u>IRE Transactions on Medical Electronics</u>		November 1956	English	Unknown
Textual	MG31 J 31	1	16	Open	Hopps, J.A. "Ninth Annual Conference on Electrical Techniques in Medicine" - NRC Report ERB 412		December 1956	English	Unknown
Textual	MG31 J 31	1	17	Open	Hopps, J.A. "Manual on Electrocardiograph Recording" - [Ceylon Department of Health Services]		[July 1957]	English	Unknown
Textual	MG31 J 31	1	18	Open	Hopps, J.A. "The Role of Electricity in Medicine" - Methodist College, Ceylon		March 1958	English	Unknown
Textual	MG31 J 31	1	19	Open	Hopps, J.A. "Report of a Visit to Three Medical Research Centres in Montreal" - NRC Report		October 1958	English	Unknown
Textual	MG31 J 31	1	20	Open	Hopps, J.A. "Electronic Instrumentation in Heart-Bypass and Hypothermia Surgery" - <u>Medical Electronics</u>		1959	English	Unknown
Textual	MG31 J 31	1	21	Open	Hopps, J.A. "Electronic Instrumentation in Heart Bypass and Hypothermia Surgery" - International Conference on Medical Electronics, Paris		June 1959	English	Unknown
Textual	MG31 J 31	1	22	Open	Hopps, J.A. "Engineering in Medicine" - Institute of Radio Engineers, Montreal		November 1959	English	Unknown
Textual	MG31 J 31	1	23	Open	Don, Conway et al. "Experimental Coronary Arteriography by Single X-Ray Exposure" - <u>British Heart Journal</u>		1961	English	Unknown
Textual	MG31 J 31	1	24	Open	Hopps, J.A. et al. "Single Shot Coronary Arteriography" - International Federation for Medical Electronics, New York		July 1961	English	Unknown

Media Support	Label Étiquette	Volume	File Dossier	Access code Code d'accès	Title Titre	Extent Étendue	Date	Language Langue	Place of creation Lieu de création
Textual	MG31 J 31	1	25	Open	Hopps, J.A. & Roy, O.Z. "Impedance Measurements and Electrical Stimulation of the Canine Heart During Hypothermia" - Institute of Radio Engineers, Toronto		October 1961	English	Unknown
Textual	MG31 J 31	1	26	Open	Hopps, J.A. "Cardiac Arrest" - Ottawa General Hospital, Seminar		December 1961	English	Unknown
Textual	MG31 J 31	1	27	Open	Hopps, J.A. "Electrical Hazards in Cardiac Diagnosis and Treatment" - <u>Medical Electronics and Biological Engineering</u>		March 1962	English	Unknown
Textual	MG31 J 31	1	28	Open	Bousvaros, G.A. et al. "An Electrical Hazard of Selective Angiocardiology" - <u>Canadian Medical Association Journal</u>		August 1962	English	Unknown
Textual	MG31 J 31	1	29	Open	Hopps, J.A. "Principles of Electrocardiography" - Carleton University Engineering Seminar, Ottawa		February 1963	English	Unknown
Textual	MG31 J 31	1	30	Open	Hopps, J.A. "Cardiac Resuscitation - The Present Status of Defibrillation and Stimulation Techniques" - Canadian Electronics Conference, Toronto		September 1963	English	Unknown
Textual	MG31 J 31	1	31	Open	Hopps, J.A. "Cardiac Stimulation" - University of Ottawa Medical Students		October 1963	English	Unknown
Textual	MG31 J 31	1	32	Open	Hopps, J.A. "Fifteen Years in Medical Wonderland" - Institute of Electronic and Electrical Engineers, Montreal Section		November 1964	English	Unknown
Textual	MG31 J 31	1	33	Open	Hopps, J.A. "Cardiac Stimulation" - Science Association		May 1965	English	Unknown
Textual	MG31 J 31	1	34	Open	Hopps, J.A. "Electromedical Research" - Canadian Physiological Society, Ottawa		June 1965	English	Unknown
Textual	MG31 J 31	1	35	Open	Hopps, J.A. "Respiratory Stimulation" - Canadian Electronics Conference, Toronto		October 1965	English	Unknown
Textual	MG31 J 31	1	36	Open	Hopps, J.A. "A Survey of Cardiovascular Investigations in the Ottawa Area" - Ontario Heart Foundation, Ottawa Chapter		January 1966	English	Unknown
Textual	MG31 J 31	1	37	Open	Hopps, J.A. "Assessment of Nerve and Muscle in Replanted Limbs"		July-September 1966	English	Unknown
Textual	MG31 J 31	1	38	Open	Hopps, J.A. "Aspects of Electrocardiology - Looking at Arrhythmias" - Canadian Medical Bioengineering Conference, Ottawa		September 1966	English	Unknown
Textual	MG31 J 31	1	39	Open	Hopps, J.A. "The Trend of Medical Engineering" - Institute of Electronic and Electrical Engineers, Cornwall, Ontario		October 1966	English	Unknown

Media Support	Label Étiquette	Volume	File Dossier	Access code Code d'accès	Title Titre	Extent Étendue	Date	Language Langue	Place of creation Lieu de création
Textual	MG31 J 31	1	40	Open	Hopps, J.A. "Bioengineering in the Treatment of Heart Disease" - Royal College of Physicians and Surgeons, Ottawa		January 1967	English	Unknown
Textual	MG31 J 31	1	41	Open	Hopps, J.A. "Standards, Communication, Professionalism" - Panel Discussion, Guideline Conference, Montreal		July 1967	English	Unknown
Textual	MG31 J 31	1	42	Open	Hopps, J.A. "Electrical Safety in Medical Diagnosis and Treatment " - Not Presented		[1967?]	English	Unknown
Textual	MG31 J 31	1	43	Open	Hopps, J.A. "Electrical Shock Hazards - The Engineer's Viewpoint" - Symposium on New Electrical Hazards, Ottawa		September 1967	English	Unknown
Textual	MG31 J 31	1	44	Open	Hopps, J.A. "Electronics and the Heart" - Clarkson College, Potsdam, N.Y.		September 1967	English	Unknown
Textual	MG31 J 31	1	45	Open	Hopps, J.A. "Bioengineering in the Treatment of Heart Disease" - EIC, APEO & London Academy of Medicine Meeting, London		February 1968	English	Unknown
Textual	MG31 J 31	1	46	Open	Hopps, J.A. "Some Canadian Developments in Heart Research" - City View Kiwanis Club, Ottawa		March 1968	English	Unknown
Textual	MG31 J 31	1	47	Open	Hopps, J.A. "The Electrical Shock Hazard in Hospitals" - <u>Canadian Medical Association Journal</u>		May 1968	English	Unknown
Textual	MG31 J 31	1	48	Open	Hopps, J.A. "Electrical Hazards in Hospital Instrumentation" - Symposium on Reliability, Chicago		January 1969	English	Unknown
Textual	MG31 J 31	1	49	Open	Hopps, J.A. "Biomedical Engineering in Canada - The Way It Is" - Manitoba Rehabilitation Hospital		Avril 1970	English	Unknown
Textual	MG31 J 31	1	50	Open	Hopps, J.A. "Biomedical Engineering in Canada" - [ <u>Biomedical Engineering</u> ]		[1971]	English	Unknown
Textual	MG31 J 31	1	51	Open	Hopps, J.A. "The Future Role of Bioengineering in Canada" - University of Toronto, Seminar		January 1971	English	Unknown
Textual	MG31 J 31	1	52	Open	Hopps, J.A. "A Survey of Biomedical Instrumentation in Canada- Electrical and Electronic Instruments" - NRC Report PPAG 71/1		March 1971	English	Unknown
Textual	MG31 J 31	1	53	Open	Hopps, J.A. "Biomedical Engineering in Canada - Past, Present and Future" - University of Toronto		April 1971	English	Unknown
Textual	MG31 J 31	1	54	Open	Hopps, J.A. "The Developing Role of Biomedical Engineering" - Engineering Institute of Canada, Saskatoon		October 1972	English	Unknown

Media Support	Label Étiquette	Volume	File Dossier	Access code Code d'accès	Title Titre	Extent Étendue	Date	Language Langue	Place of creation Lieu de création
Textual	MG31 J 31	1	55	Open	Hopps, J.A. "Engineering in Health Care" - Ottawa South Kiwanis Club		December 1972	English	Unknown
Textual	MG31 J 31	1	56	Open	Hopps, J.A. "Our Role in Medical Engineering" - Science Association		November 1973	English	Unknown
Textual	MG31 J 31	1	57	Open	Hopps, J.A. "The Developing Role of Medical Engineering in Health Care" in Chista & Patil ed. <u>Biomechanical Research Proceedings</u>		1974	English	Unknown
Textual	MG31 J 31	1	58	Open	Hopps, J.A. "Medical Engineering Outside the USA" in Apter, J.T. ed. <u>Engineers in Clinical Medicine, Vol. 1</u>		1974	English	Unknown
Textual	MG31 J 31	1	59	Open	Hopps, J.A. "The Electrophysiological Basis of Medical Instrumentation" - Medical Devices Inspectors Course, National Health & Welfare		February 1974	English	Unknown
Textual	MG31 J 31	1	60	Open	Hopps, J.A. "What Future has Medical Engineering" - Proposed Editorial		February 1974	English	Unknown
Textual	MG31 J 31	1	61	Open	Hopps, J.A. "What's Happening to Biomedical Engineering in Canada" - <u>Medical Progress Through Technology</u>		April 1974	English	Unknown
Textual	MG31 J 31	1	62	Open	Hopps, J.A. "Science and Technology in Clinical Practice" - NRC Physics Colloquium		December 1974	English	Unknown
Textual	MG31 J 31	1	63	Open	Hopps, J.A. "Canadian Activity in National and International Hospital Safety" - Electrical Safety Seminar, National Health & Welfare, Halifax		October 1975	English	Unknown
Textual	MG31 J 31	1	64	Open	Hopps, J.A. "The Role of Standards in Health Care Technology" - Medical Devices Conference, Ottawa		October 1975	English	Unknown
Textual	MG31 J 31	1	65	Open	Hopps, J.A. "The Development of the Cardiac Pacemaker" - Medtronics Ltd., Mississauga, Ontario		October 1975	English	Unknown
Textual	MG31 J 31	1	66	Open	Hopps, J.A. "International Aspects of Technology in Health Care" - National Health and Welfare, Ottawa		December 1975	English	Unknown
Textual	MG31 J 31	1	67	Open	Hopps, J.A. "Bioengineering in Development of Electrical Standards for Health Care" - Canadian Standards Association, <u>Quarterly Review</u>		1976	English	Unknown
Textual	MG31 J 31	1	68	Open	Hopps, J.A. Convocation Address - University of Manitoba		May 1976	English	Unknown
Textual	MG31 J 31	1	69	Open	Hopps, J.A. "Who Serves the Technology of Health Care?" - International Conference on Medical and Biological Engineering, Ottawa		[August 1976]	English	Unknown

Media Support	Label Étiquette	Volume	File Dossier	Access code Code d'accès	Title Titre	Extent Étendue	Date	Language Langue	Place of creation Lieu de création
Textual	MG31 J 31	1	70	Open	Hopps, J.A. et al. "The Implementation of a Medical Engineering Service" in <u>The Practice of Clinical Engineering</u> Ch. 28		1977	English	Unknown
Textual	MG31 J 31	1	71	Open	Hopps, J.A. et al. "Medical Equipment Maintenance" in <u>The Practice of Clinical Engineering</u> Ch. 45		1977	English	Unknown
Textual	MG31 J 31	1	72	Open	Hopps, J.A. "What's With the Bionic Man?" - Association of Professional Engineers of Toronto, North Bay, Ontario		January 1977	English	Unknown
Textual	MG31 J 31	1	73	Open	Hopps, J.A. "Medical Engineering: An Emerging Discipline" - [Engineering Institute of Canada]		[May 1977]	English	Unknown
Textual	MG31 J 31	1	74	Open	Hopps, J.A. "Medical Engineering Today" - Ontario Teachers' Federation		May 1977	English	Unknown
Textual	MG31 J 31	1	75	Open	Hopps, J.A. "Current Trends in Bioengineering Safety Standards" - Bioengineering Conference, Budapest		October 1977	English	Unknown
Textual	MG31 J 31	1	76	Open	Hopps, J.A. "Management of Medical Instrumentation" - Canadian Medical Bioengineering Society		October 1977	English	Unknown
Textual	MG31 J 31	1	77	Open	Hopps, J.A. "Biomedical Equipment Maintenance in Canadian Hospitals" - <u>Journal of Medical Engineering and Technology</u>		March 1979	English	Unknown
Textual	MG31 J 31	1	78	Open	Hopps, J.A. "The Developing Role of Biomedical Engineering" - Engineering Institute of Canada, Saskatoon		October 1979	English	Unknown
Textual	MG31 J 31	1	79	Open	Hopps, J.A. "The Changing World of Medical Engineering" - Canadian Medical Bioengineering Conference, Hamilton		August 1980	English	Unknown
Textual	MG31 J 31	1	80	Open	Hopps, J.A. "The Development of the Pacemaker" - <u>Pace Journal</u>		1980	English	Unknown
Textual	MG31 J 31	1	81	Open	Hopps, J.A. "A Rationale for Patient Electrical Safety"		n.d.	English	Unknown
Textual	MG31 J 31	1	82	Open	Hopps, J.A. "Ectopic Beat Monitoring"		June 1965	English	Unknown
Textual	MG31 J 31	1	83	Open	Hopps, J.A. "What's Happening to Biomedical Engineering in Canada?"		1974?	English	Unknown
Textual	MG31 J 31	1	84	Open	Hopps, J.A. "Medical Engineering Abroad"		1974?	English	Unknown
Textual	R4339	6	10	Open	Hopps, J.A. "Electronics in Cardiovascular Surgery"		n.d.	English	Unknown
Textual	R4339	6	11	Open	Hopps, J.A. "Intensive Care and Physiological Monitoring" - Summary of Panel Discussion		April 1962	English	Unknown

Media Support	Label Étiquette	Volume	File Dossier	Access code Code d'accès	Title Titre	Extent Étendue	Date	Language Langue	Place of creation Lieu de création
Textual	R4339	6	12	Open	Hopps, J.A. "Cardiac Resuscitations – The Present Status of Defibrillation and Stimulation Techniques" – <u>Canadian Medical Assoc. Journal</u>		January 1964	English	Unknown
Textual	R4339	6	13	Open	Hopps, J.A. "A respiratory air-cooler for cardiac and pulmonary studies" – <u>Medical and Biological Engineering</u>		1966	English	Unknown
Textual	R4339	6	14	Open	Hopps, J.A. "Shock hazards in operating rooms and patient-care areas" – <u>Anesthesiology</u>		August 1969	English	Unknown
Textual	R4339	6	15	Open	Hopps, J.A. and H. Callan. "Electrical safety in operating rooms: report on revisions to CSA standard Z32" – <u>Canadian Anaesthetists' Society Journal</u>		July 1970	English	Unknown
Textual	R4339	6	16	Open	Hopps, J.A. "Electrical hazards in patient care: the present status of protection in hospitals"		1971	English	Unknown
Textual	R4339	6	17	Open	Hopps, J.A. "Electrical hazards in hospitals" – <u>Medical and Biological Engineering</u>		1971	English	Unknown
Textual	R4339	6	18	Open	Hopps, J.A. "Biomedical engineering in Canada" – <u>Bio-medical Engineering</u>		June 1971	English	Unknown
Textual	R4339	6	19	Open	Hopps, J.A. "Workshop on biomedical equipment services programs, Dubrovnik, April 1972" – 10 <sup>th</sup> International Conference on Medical and Biological Engineering		1973	English	Unknown
Textual	R4339	6	20	Open	Hopps, J.A. "Electrical safety in hospitals of medical equipment" – 10 <sup>th</sup> International Conference on Medical and Biological Engineering		1973	English	Unknown
Textual	R4339	6	21	Open	Hopps, J.A. "Branch circuits isolated from ground: a review of NFPA 70"		March 1973	English	Unknown
Textual	R4339	6	22	Open	Hopps, J.A. "Current trends in bioengineering safety standards" – Seminar on Electrical Safety in Hospitals		November 1977	English	Unknown
Textual	R4339	6	23	Open	Hopps, J.A. "The scientist's role in medical devices development"		November 1988	English	Unknown
Textual	MG31 J 31	1	85	Open	Non-Scientific Talks - Hopps, J.A. "Un Tour D'Aise du Sud-Est"		n.d.	English	Unknown
Textual	MG31 J 31	1	86	Open	Non-Scientific Talks - Hopps, J.A. "Scouting Day Address"		February 1973	English	Unknown
Textual	MG31 J 31	2	1	Open	Non-Scientific Talks - Hopps, J.A. Biomedical Engineering - Lecture Notes		n.d., 1969-1974	English	Unknown

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Textual	MG31 J 31	2	2	Open	Non-Scientific Talks - Hopps, J.A. Hospital Safety - Lecture Notes		n.d., 1970	English	Unknown
Textual	MG31 J 31	2	3	Open	Articles & Lectures by Others - Bellet, S. "Atrial Fibrillation" - <u>Journal of the American Medical Association</u>		Aug. 1964	English	Unknown
Textual	MG31 J 31	2	4	Open	Articles & Lectures by Others - Callaghan, J.C. & Bigelow, W.G. "An Electrical Artificial Pacemaker for Standstill of the Heart" - <u>Annals of Surgery</u>		July 1951	English	Unknown
Textual	MG31 J 31	2	5	Open	Articles & Lectures by Others - Finlay, J.B. "Low Power Burns" - University Hospital, London, Ontario		n.d.	English	Unknown
Textual	MG31 J 31	2	6	Open	Articles & Lectures by Others - Huber, L. "Canada - A World Leader in Medicine"		1979	English	Unknown
Textual	MG31 J 31	2	7	Open	Articles & Lectures by Others - Johns, H.E. et al. "New Methods of Imaging in Diagnostic Radiology" - Ontario Cancer Institute, Toronto		n.d.	English	Unknown
Textual	MG31 J 31	2	8	Open	Articles & Lectures by Others - Kusters, N.L. "The Ground Detector Problem in Hospital Operating, Rooms" - Engineering Institute of Canada, <u>Transactions</u>		January 1958	English	Unknown
Textual	MG31 J 31	2	9	Open	Articles & Lectures by Others - McKinley, D.W.R. & Richards, R.S. "Transistor Amplifier for Medical Recording" - <u>Electronics</u>		August 1957	English	Unknown
Textual	MG31 J 31	2	10	Open	Articles & Lectures by Others - McKinley, D.W.R. "An Electronic Ground Detector" - Engineering Institute of Canada, <u>Transactions</u>		January 1958	English	Unknown
Textual	MG31 J 31	2	11	Open	Articles & Lectures by Others - Morse, A.R. "The Leakage Impedance to Ground of Electrical Circuits in Kingston Military Hospital Operating Rooms" - NRC Report ERB 517		April 1959	English	Unknown
Textual	MG31 J 31	2	12	Open	Articles & Lectures by Others - O'Beirne, Henry "Biomedical Engineering - Yesterday, Today and Tomorrow" - Institute of Biomedical Engineering, University of Toronto		n.d.	English	Unknown
Textual	MG31 J 31	2	13	Open	Articles & Lectures by Others - Roberge, F.A. "Medical Engineering in Canada" - University of Montreal		August 1964	English	Unknown
Textual	MG31 J 31	2	14	Open	Articles & Lectures by Others - Roy, O.Z. "An Electronic Heart-Beat Stimulator" - NRC Report ERA 320		June 1957	English	Unknown

Media Support	Label Étiquette	Volume	File Dossier	Access code Code d'accès	Title Titre	Extent Étendue	Date	Language Langue	Place of creation Lieu de création
Textual	MG31 J 31	2	15	Open	Articles & Lectures by Others - Roy, O.Z. "An Electronic Heartbeat Stimulator and a Cardiac Tachometer" - <u>IRE Transactions on Medical Electronics</u>		July 1958	English	Unknown
Textual	MG31 J 31	2	16	Open	Articles & Lectures by Others - Roy, O.Z. & Charbonneau, J.R. "Transistor Unit Monitors Blood Pressure" - <u>Electronics</u>		August 1958	English	Unknown
Textual	MG31 J 31	2	17	Open	Articles & Lectures by Others - Roy, O.Z. "An Automatic Pressure Regulator for Extra Corporeal Circulation" - <u>IRE Transactions on Medical Electronics</u>		September 1959	English	Unknown
Textual	MG31 J 31	2	18	Open	Articles & Lectures by Others - Taplin, R.H. "Electronics Helps the Doctors" - <u>Canadian Marconi Magazine</u>		December 1956	English	Unknown
Textual	MG31 J 31	2	19	Open	Articles & Lectures by Others - Thumm, W. Appendix B of <u>Physics of Medical Radiography</u> – Comments		November 1976	English	Unknown
Textual	MG31 J 31	2	20	Open	Articles & Lectures by Others - Winter, David. Guidelines Publication		1974	English	Unknown
Textual	R4339	6	24	Open	Articles & Lectures by Others - Kustaers, N.L. and M.P. MacMartin. "Guarded double insulation: a technique for reducing the shock hazard of grounded electrical circuits"		n.d.	English	Unknown
Textual	R4339	6	25	Open	Articles & Lectures by Others - MacMartin, M.P. and N.L. Kusters. "A new line isolation monitor"		n.d.	English	Unknown
Textual	R4339	6	26	Open	Articles & Lectures by Others - "Electromedical research" in NRC Radio and Electrical Engineering Division "Bulletin"		February 1955	English	Unknown
Textual	R4339	6	27	Open	Articles & Lectures by Others - Schuler, Graham et al. "Fetal egg improvement due to selective signal addition" – <u>American Journal of Obstetrics and Gynecology</u>		August 1968	English	Unknown
Textual	R4339	6	28	Open	Articles & Lectures by Others - Quanbury, A.O. "A survey of biomedical instrumentation in Canada – Non-electrical bioengineering instrumentation" – NRC Report PPAG 71/10		November 1971	English	Unknown
Textual	R4339	6	29	Open	Articles & Lectures by Others - Roy, O.Z. "Ventricular fibrillation" – Letter, Medical and Biological Engineering		January 1974	English	Unknown
<b>NATIONAL RESEARCH COUNCIL. MEDICAL ELECTRONICS</b>									
Textual	MG31 J 31	2	21	Open	NRC. Medical Electronics - Annual Review (Incomplete)		1963-1970	English	Unknown

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Textual	MG31 J 31	2	22	Open	NRC. Medical Electronics - Quarterly Reports (Incomplete)		1956-1968	English	Unknown
Textual	MG31 J 31	2	23	Open	NRC. Medical Electronics - Monthly Reports (Incomplete)		1955-1973	English	Unknown
Textual	MG31 J 31	2	24	Open	NRC. Medical Electronics - Cardiac Pacemaker Stimulator, Models 1, 2, 3		n.d.	English	Unknown
Textual	MG31 J 31	2	25	Open	NRC. Medical Electronics - Charts, Graphs etc.		n.d.	English	Unknown
Textual	MG31 J 31	2	26	Open	NRC. Medical Electronics - Drawings, List		1951-1967	English	Unknown
Textual	MG31 J 31	2	27	Open	NRC. Medical Electronics - Estimates		1961-1971	English	Unknown
Textual	MG31 J 31	2	28	Open	NRC. Medical Electronics - Miscellaneous		1963-1970	English	Unknown
Textual	MG31 J 31	2	29	Open	NRC. Medical Electronics - Photographs, Correspondence		1965-1979	English	Unknown
Textual	MG31 J 31	2	30	Open	NRC. Hopps, J.A. - Cardiac Stimulator / Defibrillator Design, Diagrams, Tests		1954-1956	English	Unknown
Textual	MG31 J 31	2	31	Open	NRC. Hopps, J.A. - Cardiac Stimulation and Impedance Tests, Notes, Test Results, Paper		1959-1961	English	Unknown
Textual	MG31 J 31	2	32	Open	NERC. O'Kell, R.P.S. Angiography Control Circuit, Lab Book		1963	English	Unknown
Textual	R4339	6	30	Open	NRC. Biomedical Safety Standards – Conferences and Correspondence		1970-1974	English	Unknown
Textual	R4339	6	31	Open	NRC. Radio and Electrical Engineering – Biomedical Engineering, Memos and Reports		1956-1977, 1986	English	Unknown
Textual	R4339	6	32	Open	NRC. J.A. Hopps – Travel Expenses		1949-1955	English	Unknown
Textual	R4339	6	33	Open	NRC. J.A. Hopps – Travel Expenses		1956-1965	English	Unknown
Textual	R4339	6	34	Open	NRC. J.A. Hopps – Trips and Expenses, List		1949-1969	English	Unknown
Textual	R4339	6	35	Open	NRC. J.A. Hopps – Travel itineraries and expenses		1970-1980	English	Unknown
Textual	R4339	6	36	Open	NRC. Administration – Lists		1981-1989	English	Unknown
Textual	R4339	6	37	Open	NRC. Annual Reports – Photocopies		1979-1989	English	Unknown
Textual	R4339	6	38	Open	NRC. Press Releases		1950-1955, 1965	English	Unknown
Textual	R4339	6	39	Open	Canadian Medical and Biological Engineering Society		1966-1990	English	Unknown
<b>INTERNATIONAL FEDERATION FOR MEDICAL &amp; Biological Engineering</b>									
Textual	MG31 J 31	2	33	Open	International Federation for Medical & Biological Engineering. Survey of South-East Asia - Correspondence, Reports Part I		1970-1971	English	Unknown

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Textual	MG31 J 31	2	34	Open	International Federation for Medical & Biological Engineering. Survey of South-East Asia - Correspondence, Reports Part II		1970-1971	English	Unknown
Textual	MG31 J 31	2	35	Open	International Conference on Medical & Biological Engineering. Electrical Hazards Workshop - Correspondence, Papers		1971-1972	English	Unknown
Textual	MG31 J 31	2	36	Open	International Biomedical Engineering Workshop Series. Biomedical Equipment Maintenance Service Programmes - Dubrovnik, Yugoslavia, Report		April 1972	English	Unknown
Textual	MG31 J 31	3	1	Open	International Biomedical Engineering Workshop Series. International Prospective for Biomedical Engineering - Dubrovnik, Yugoslavia, Discussions, Reports		August 1973	English	Unknown
Textual	R4339	6	40	Open	International Federation for Medical and Biological Engineering		1965-1990	English	Unknown
Textual	R4339	6	41	Open	Second International Conference on Medical Electronics. Abstracts and Program		1959	English	Unknown
Textual	R4339	6	42	Open	First International Biomedical Engineering Workshop Series. I Biomedical Equipment Maintenance Service Programs		1972	English	Unknown
Textual	R4339	6	43	Open	First International Biomedical Engineering Workshop Series. II Assistive Devices for the Disabled		1972	English	Unknown
Textual	R4339	6	44	Open	First International Biomedical Engineering Workshop Series. II Technology for Mobile and Remote Medical Care Delivery		1972	English	Unknown
Textual	R4339	7	1	Open	First International Biomedical Engineering Workshop Series. IV Communications Technology Applied to Medical Care		1972	English	Unknown
Textual	R4339	7	2	Open	First International Biomedical Engineering Workshop Series. V Technology in Management of Medical Care		1972	English	Unknown
Textual	R4339	7	3	Open	First International Biomedical Engineering Workshop Series. VI International Perspectives [sic] for Biomedical Engineering		1972	English	Unknown
<b>SUBJECT FILES</b>									
Textual	MG31 J 31	3	2	Open	Canadian International Development Agency (CIDA) - Background Information		n.d., 1970	English	Unknown
Textual	MG31 J 31	3	3	Open	CIDA. NRC Training Programme - Isaac Samson		1970-1971	English	Unknown
Textual	MG31 J 31	3	4	Open	CIDA. Proposed Training - Dr. Ivan A. D'Cruz		1974	English	Unknown

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Textual	MG31 J 31	3	5	Open	Canadian Standards Association. Proposed Organization – Chart		1975	English	Unknown
Textual	MG31 J 31	3	6	Open	Conductive Floors, Hospitals - Reports, Standards		1954-1975	English	Unknown
Textual	MG31 J 31	3	7	Open	Sanborn Company. ECG Preamplifiers - Technical Literature		1951-1960	English	Unknown
Textual	MG31 J 31	3	8	Open	Sanborn Company. Recording Systems - Technical Literature		1952-1959	English	Unknown
Textual	MG31 J 31	3	9	Open	Sanborn Company. Driver Amplifier & Power Supply - Technical Literature		n.d., 1958	English	Unknown
Textual	MG31 J 31	3	10	Open	Third World. Background Information		n.d., 1954-1959	English	Unknown
Textual	MG31 J 31	3	11	Open	Toronto General Hospital. Heart Seminar		n.d.	English	Unknown
<b>ADDITIONAL MATERIAL</b>									
Textual	MG31 J 31	4	1	Open	Hopps, J.A. NRC Correspondence		1949	English	Unknown
Textual	MG31 J 31	4	2	Open	Hopps, J.A. NRC Correspondence		1950	English	Unknown
Textual	MG31 J 31	4	3	Open	Hopps, J.A. NRC Correspondence		1951	English	Unknown
Textual	MG31 J 31	4	4	Open	Hopps, J.A. NRC Correspondence		1952	English	Unknown
Textual	MG31 J 31	4	5	Open	Hopps, J.A. NRC Correspondence		1953	English	Unknown
Textual	MG31 J 31	4	6	Open	Hopps, J.A. NRC Correspondence		1954	English	Unknown
Textual	MG31 J 31	4	7	Open	Hopps, J.A. NRC Correspondence		1955	English	Unknown
Textual	MG31 J 31	4	8	Open	Hopps, J.A. NRC Correspondence		1956	English	Unknown
Textual	MG31 J 31	4	9	Open	Hopps, J.A. NRC Correspondence		1957	English	Unknown
Textual	MG31 J 31	4	10	Open	Hopps, J.A. NRC Correspondence		1958	English	Unknown
Textual	MG31 J 31	4	11	Open	Hopps, J.A. NRC Correspondence		1959	English	Unknown
Textual	MG31 J 31	4	12	Open	Hopps, J.A. NRC Correspondence		1960	English	Unknown
Textual	MG31 J 31	4	13	Open	Hopps, J.A. NRC Correspondence		1961	English	Unknown
Textual	MG31 J 31	4	14	Open	Hopps, J.A. NRC Correspondence		1962	English	Unknown
Textual	MG31 J 31	4	15	Open	Hopps, J.A. NRC Correspondence		1963	English	Unknown
Textual	MG31 J 31	4	16	Open	Hopps, J.A. NRC Correspondence		1964	English	Unknown
Textual	MG31 J 31	4	17	Open	Hopps, J.A. NRC Correspondence		1965	English	Unknown
Textual	MG31 J 31	4	18	Open	Hopps, J.A. NRC Correspondence		1966	English	Unknown
Textual	MG31 J 31	4	19	Open	Hopps, J.A. NRC Correspondence		1967	English	Unknown
Textual	MG31 J 31	4	20	Open	Hopps, J.A. NRC Correspondence		1968	English	Unknown
Textual	MG31 J 31	4	21	Open	Hopps, J.A. NRC Correspondence		1969	English	Unknown

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Textual	MG31 J 31	5	1	Open	Hopps, J.A. NRC Correspondence		1970	English	Unknown
Textual	MG31 J 31	5	2	Open	Hopps, J.A. Electrical Hazards in Hospitals - NRC Correspondence		1971-1973	English	Unknown
Textual	MG31 J 31	5	3	Open	Electrical Hazards in Hospitals. Reports & Standards		1967-1973	English	Unknown
Textual	MG31 J 31	5	4	Open	Electrical Hazards in Hospitals. Reports - Photocopies		1968-1978	English	Unknown
Textual	MG31 J 31	5	5	Open	Electrical Hazards in Hospitals. British Columbia Standards – Correspondence		1972-1974	English	Unknown
Textual	MG31 J 31	5	6	Open	Hopps, J.A. Department of Trade and Commerce - Ceylon, Correspondence		1955-1957	English	Unknown
Textual	MG31 J 31	5	7	Open	Hopps, J.A. Department of Trade and Commerce - Ceylon, Correspondence		1957	English	Unknown
Textual	MG31 J 31	5	8	Open	Hopps, J.A. Department of Trade and Commerce - Ceylon, Correspondence		1958-1959	English	Unknown
Textual	MG31 J 31	5	9	Open	Hopps, J.A. Ceylon Department of Health Services - Division of Electro-Medical Engineering, Recommendations		1957	English	Unknown
Textual	MG31 J 31	5	10	Open	Columbo Plan. Ceylon - Request for a Technician		1957	English	Unknown
Textual	MG31 J 31	5	11	Open	Columbo Plan. Ceylon - Requests for Equipment		1957	English	Unknown
Textual	MG31 J 31	5	12	Open	Columbo Plan. Ceylon - Listings & Notices		1957-1958	English	Unknown
Textual	MG31 J 31	5	13	Open	Columbo Plan. Ceylon - Foreign Experts, Guidelines		1954-1957	English	Unknown
Textual	MG31 J 31	5	14	Open	Columbo Plan. Ceylon - Travel Expenses		1955, 1958	English	Unknown
Textual	MG31 J 31	5	15	Open	Columbo Plan. Miscellaneous		1956-1959	English	Unknown
Textual	MG31 J 31	5	16	Open	Department of Trade and Commerce. Technical Cooperation Program - Ceylon, List & Reports		1959	English	Unknown
Textual	MG31 J 31	5	17	Open	Hopps, J.A. "The Organization and Operations of the Division of Electromedical Engineering, Department of Health Services - Recommendations"		1958	English	Unknown
Textual	MG31 J 31	5	18	Open	Hopps, J.A. "Electrical Hazards in Hospitals" - Bulletin of the Radio & Electrical Engineering Division, NRC		June 1970	English	Unknown
Textual	MG31 J 31	5	19	Open	Hopps, J.A. "Electrical Hazards in Patient Care - The Present Status of Protection in Hospitals" - Digest of the 9th International Conference and Biological Engineering		1971	English	Unknown

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Textual	MG31 J 31	5	20	Open	Hopps, J.A. "The IFMBE Biomedical Engineering Survey of South-East Asia"		September 1971	English	Unknown
Textual	MG31 J 31	5	21	Open	Canadian Electrical Association. Effect of High Voltage Electrical Fields on the Heart - Instructions & Reports		1978-1979	English	Unknown
Textual	MG31 J 31	5	22	Open	Canadian Patents and Developments Ltd. Biomedical Engineering Patents - Memos, Photocopies		1970-1972, 1987	English	Unknown
Textual	MG31 J 31	5	23	Open	Cardiac Stimulator Defibrillator. Hopps/Bigelow Development - Correspondence & Memos, Photocopies		1955-1987	English	Unknown
Textual	MG31 J 31	5	24	Open	Clancy, P. "Beer Pasteurization by Radio Frequency" - Lecture		1953	English	Unknown
Textual	MG31 J 31	5	25	Open	Hopps, J.A. Autobiography - Notes & Photocopies		n.d., 1972	English	Unknown
Textual	MG31 J 31	5	26	Open	Hopps, J.A. Miscellaneous		n.d., 1961-1993	English	Unknown
Textual	MG31 J 31	5	27	Open	Minneapolis Medical Center Inc. Life Institute - Concept Document		n.d.	English	Unknown
Textual	R4339	7	4	Open	Press Clippings		n.d.	English	Unknown
Textual	R4339	7	5	Open	Press Clippings		1951-1959	English	Unknown
Textual	R4339	7	6	Open	Press Clippings		1960-1968	English	Unknown
Textual	R4339	7	7	Open	Press Clippings		1971-1991	English	Unknown
Textual	R4339	7	8	Open	Manitoba Industry, Trade and Tourism. Manitoba Health Industry Advantage – Promotion Kit		c. 1989	English	Unknown
Textual	R4339	7	9	Open	Medtronic Inc. Annual Report		1995	English	Unknown
Textual	R4339	7	10	Open	Medtronic Inc. Cardiac Pacemakers – Model Descriptions and Press Releases, Photocopies		n.d.	English	Unknown
Textual	R4339	7	11	Open	STAN (Science Teachers' Association of Manitoba). Conferences		1978-1979	English	Unknown
Textual	R4339	7	12	Open	Ceylon. Dept. of Health Services – Division of Electromedical Engineering, Memos and Forms		1954-1957	English	Unknown
Textual and arch. drawing.	R4339	7	13	Open	Ceylon. Dept. of Health Services – Division of Electromedical Engineering, Electrical supply for new workshop, plans (2)	2 architectural drawings.	1958	English	Unknown
Textual	R4339	7	14	Open	Ceylon. Dept. of Health Services – Division of Electromedical Engineering, Stationary		n.d.	English	Unknown

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Textual	R4339	7	15	Open	Ceylon. Dept. of Health Services – Division of Electromedical Engineering, Inventory control cards		n.d.	English	Unknown
Textual	R4339	7	16	Open	Ceylon. Memos and Forms – Personnel		1952-1962	English	Unknown
<b>PHOTOGRAPHS</b>									
Photo	R4339	7	17	Open	Guest visiting workshop of Ceylonese Dept. of Health Services, Division of Electromedical Engineering	3 photographs : b&w prints ; 6.0 x 8.0 inches.	n.d.	English	Unknown
Photo	R4339	7	18	Open	Medtronic Inc. Elite Pacemakers	2 photographs : b&w prints ; 5.0 x 7.0 inches.	1991	English	Unknown
Photo	R4339	7	19	Open	Medtronic Inc. Activitrax II Pacemaker	1 photograph : b&w prints ; 5.0 x 7.0 inches.	n.d.	English	Unknown
Photo	R4339	7	20	Open	National Research Council. Aids for Handicapped Exhibition Display	1 photograph : b&w prints ; 5.0 x 7.0 inches.	n.d.	English	Unknown
Photo	R4339	7	21	Open	National Research Council. Radio and Electrical Engineering Branch. Staff Reunion	2 photographs : b&w prints (1 duplicate) ; 8.0 x 10.0 inches.	17 June 1983	English	Unknown
Photo	R4339	7	22	Open	National Research Council. Radio and Electrical Division. [Exterior pulse generator]	2 photographs : b&w prints ; 8.0 x 10.0 inches.	n.d.	English	Unknown
Photo	R4339	7	23	Open	42 <sup>nd</sup> IEC General Meeting. Delegates	2 photographs : b&w prints ; 7.0 x 9.5 inches.	June 1977	English	Unknown
Photo	R4339	7	24	Open	Group of men, [Sri Lanka]	1 photograph : b&w prints ; 8.0 x 10.0 inches.	n.d.	English	Unknown
Photo	R4339	7	25	Open	Television program "Pacemaker" showing a cardiac operation with commentary by Percy Saltsman. Photographed from a television	6 photographs : b&w prints ; 8.0 x 10.0 inches.	n.d.	English	Unknown
Photo	R4339	8	1	Open	Medtronic Inc. Thera Family of Pacemakers	1 photograph : b&w prints ; 5.0 x 7.0 inches.	1994	English	Unknown
Photo	R4339	8	2	Open	Medtronic Inc. Legend Plus Pacemaker	1 photograph : col. ; 5.0 x 7.0 inches.	n.d., 1992	English	Unknown
Photo	R4339	8	3	Open	Medtronic 5954 Pulse Generator, 1 col. print, 4.0 x 6.0 inches	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown

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Photo	R4339	8	4	Open	First implanted pacemaker worldwide Oct. 8 <sup>th</sup> 1958	2 photographs : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	5	Open	Pacemaker and tool	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	6	Open	Medtronic 5531 Pulse Width Controller	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	7	Open	Cardiac Pacemaker, Electrodyne Co.	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	8	Open	Medtronic 9701 Spectrax Programmer with Medtronic 9600 Rate Controller	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	9	Open	Medtronic 5961 Ventricular Inhibited Adjustable Pulse Width Pulse Generator	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	10	Open	2000289 Display model not for humans	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	11	Open	Display model of pacemaker attached to electrical cord	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	12	Open	Chardack Greatbatch Pacemaker, Medtronic U.S.A.	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	13	Open	Medtronic Chardack Pulse Generator	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	14	Open	Medtronic VVI Model 5951	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	15	Open	Medtronic External-Internal Pacemaker	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	16	Open	Medtronic Peri-start Model 4050	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	17	Open	Medtronic Pacemaker	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	18	Open	Medtronic Model 7217B	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown

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Photo	R4339	8	19	Open	Medtronic Model 1201B	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	20	Open	Five Medtronic Pulse Generator models	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	21	Open	Dr. John A. Hopps standing in hallway	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	22	Open	Exhibition display case [unknown exhibit]	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	23	Open	Dr. John A. Hopps in laboratory	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	24	Open	Unknown man	1 photograph : col. ; 4.0 x 6.0 inches.	n.d.	English	Unknown
Photo	R4339	8	25	Open	Colour photograph duplicates	25 photographs : col. negatives.	n.d.	English	Unknown