

PACIFIC MANUSCRIPTS BUREAU

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Report on PMB field work in East New Britain and Port Moresby, 3-14 May 2009

General.

The main aim of this fieldwork was to microfilm remaining unidentified volcanological records at the Rabaul Volcanological Observatory. In addition it was planned to locate and if possible microfilm a journal of the Sacred Heart Missionaries, *Hiltruper Monatshefte*, in the MSC library at Vunapope.

Nine reels of microfilm were made, as follows:

PMB 1327 RABAU VOLCANOLOGICAL OBSERVATORY, Additional volcanological records, 1953-2008. Reels 1-5. (Restricted access.)

PMB Doc 500 *Hiltruper Monatshefte* (Missionaries of the Sacred Heart), Vols.3, 5-10, 12-13, 1886, 1888-1893, 1895-1896. Reels 1-4. (Available for reference.)

See Reel Lists at Appendix 1 & 2 for details.

The fieldwork was carried out without Kylie Moloney, the PMB Archivist, as I was already familiar with the RVO records and to minimize PMB expenditure.

At one stage it was proposed that Karina Taylor, Pacific Archivist in the ANU Archives Program, would join up with me on the Port Moresby leg, as she was planning a visit to the New Guinea Collection at the UPNG Library to initiate a twinning relationship between the two institutions. However the timing did not suit the UPNG staff and Ms Taylor postponed her trip.

Rabaul, 4-12 May.

The PMB work at the RVO is being carried out in conjunction with the GeoScience Australia-RVO Twinning Project. The PMB fieldwork was timed to coincide with the visit of Wally Johnson, the Twinning Project convenor and Shane Nancarrow, the Project Manager. Dr Johnson was convinced that there would be volcanological records in addition to those identified by the PNG National Archives and microfilmed by the Bureau during my visit in May 2007.

There had been heavy rain in East New Britain. The road between Kokopo and Rabaul was flooded and washed out in several spots by banks of ash and mud. The mud had washed through houses and businesses in Rabaul, but Tarvurur was quiet – no eruptions or rumbles, just masses of gaseous vapour being blown away from the town by the trade wind. A grader was clearing the roads and everyone in Rabaul was hoping for a period of relief from the constant rain of ash from the volcano. A meeting of hundreds of Highlander landowners was being held in Kokopo to negotiate a compensation agreement for a Liquefied Natural Gas project at Lake Kutubu. Accommodation at Kokopo and Rabaul was scarce, but luckily Mr Nancarrow let me share his room at the Rabaul Hotel until another room became free.



Road outside Rabaul Hotel, deep with ash and mud, RVO on escarpment in the distance, May 2009.



RVO buildings, Tarvurur smoking in the background, May 2009.

Shortly after arrival at the Observatory on Tuesday 5 May I participated in a special meeting of RVO senior staff, chaired by Ima Itikarai, RVO Head, which discussed the development of the RVO information management system (IMS) in general and the PMB preservation reformatting project in particular. Dr Johnson reported that AusAID had extended the Twinning Project to the end of 2009 and that there was likely to be three year extension of the Project from January 2010. He stated that the idea of an RVO IMS had been around for two or three years; it has been endorsed in principle by the RVO PCC; and AusAID assumes that it will be part of the on-going Twinning Program. I confirmed that the PMB Management Committee has endorsed the Bureau's involvement in reformatting RVO documents and making the microfilms available for conversion to a digital format compatible with the proposed RVO IMS. Mr Nancarrow reported that the Twinning Project is continuing to meet the costs of conversion of the PMB microfilm to digital format.

Staff at the meeting listed volcanological records to be considered for copying, including papers held by Ima Itikarai at the RVO and Chris McKee in Port Moresby, correspondence of Tony Taylor and Rob Cooke held by Wally Johnson in Canberra, field maps held by David Lindley in Yass, and volcanological correspondence files held at the PNG National Archives.

Kila Mulina, who looks after the RVO Library, tabled a list of published Geological Survey of PNG *Reports* and *Technical Notes* held in the RVO Library, to be considered for copying. It was noted the PNG Mineral Resources Authority is also proposing a copying project and that duplication of effort should be avoided.

After the meeting Mr Mulina and I surveyed the library shelves noting additional copies of serial publications of the Australian Bureau of Mineral Resources (*Records, Report, Bulletin*), and the PNG Dept of Lands, Surveys & Mines, Geological Section / PNG Dept of Mining, Geological Survey of PNG (*Note on Investigation, Technical Notes, Memoir*). Making the survey we located a cupboard holding additional box files: Research of Tony Taylor, Long Island, Langila, Karkar, Bagana, Ulawun, Other PNG Volcanoes, *etc.* Located on the library shelves were a group of papers collected by Patrice de Saint Ours, Head of the Observatory in the late 1980s and early 1990s, under the headings RVO History, RVO Contingency Planning, Earthquake, Manam, Langila, Karkar, Lamington, Rabaul and History of Events, Rabaul 1994 Eruption. A set of RVO annual reports and additional loose unpublished reports were also located on the library shelves. One box of R.J.S. Cooke's papers, including a file of correspondence of J.H. Latter mainly with G.A. Taylor, was located in the store room housing the seismographic records. These documents were selected in consultation with Dr Johnson and Mr Mulina and microfilmed 6-11 May on 5 reels. Microfilm of Rob Cooke's correspondence, held among these papers, will be spliced with microfilm of another set of Cooke correspondence held by Dr Johnson in Canberra for release as a separate PMB Manuscripts Series title.



Part of RVO Library compactus holding documents compiled by P. de Saint Ours, May 2009.



PMB HK35 with A3 baseboard in foyer of RVO Instrument Building, May 2009.

The microfilming was done in the foyer to the RVO instrument building, a poorly ventilated area, where the RVO exhibit posters on PNG volcanology for visitors and school groups. It was hot work and on Saturday afternoon one of the four 100w lamps on the Hirakawa copystand burst as I was operating the camera, possibly caused by sweat dropping on the hot glass. Glass fragments flew all around the room, which was empty, and one hit the right side of my face causing only a graze and minor bruising. This is the first time I have encountered such a safety problem. I have reported the incident to the ANU OH&S Unit and have begun trialling cooler lamps.

Vunapope, 5 & 11 May.

Researchers who had not been able to locate copies of the *Hiltruper Monatshefte* in Australia had contacted the Bureau. Archbishop Hesse had given verbal permission for the PMB to microfilm the copies held in the MSC library at Vunapope. The Bureau did not have any MSC contacts in Vunapope, other than the Archbishop who is very busy, so it was not possible to make arrangement in advance. Dr Steve Saunders, the Geodist at the RVO, kindly gave me a lift to Vunapope in the late afternoon of 5 May. I located the MSC Centre but did not find Br Hermann Ostgathe who is in charge of the Library. However I was able to make arrangements with Br Hermann by phone later on from the RVO. Early in the morning on Monday 11 May, John Bosco, the RVO Technical Officer, kindly gave me a lift to Vunapope. Br Hermann explained that the Brothers are very protective of the Library as it has been mis-used in the past – pages torn from book – books missing. The Library holds an incomplete set of the *Hiltruper Monatshefte*, 1886-1982, which reports on Sacred Heart missions in Africa, South America and New Guinea. Br Hermann issued the bound volumes to me three at a time for microfilming in the Recreation Room. Each volume amounts to 400pp. I spent all day microfilming 1886-1896 (gaps) on 4 reels.

Br Hermann would like digital copies scanned from the microfilm for the MSC Centre. The Brothers are happy for the PMB to return to Vunapope to continue microfilming the *Hiltruper Monatshefte*. Professor Herman Hiery who has been arranging the Archdiocesan archives will be in Rabaul in October. There is some talk about the disposition of the archives which I did not sight. There is a suggestion that they be transported to Germany for safe keeping.



MSC Centre Library, May 2009. *Hiltruper Monatshefte* on top left hands shelves.



Br Hermann Ostgathe outside the Library at the MSC Centre, Vunapope, May 2009.

Keravat

There was no time to visit the Rarongo Theological College, as planned. Following my visit in May 2007 I had written several times to the College asking about making arrangements to microfilm theses held in the College Library, but received no reply. In any case there would not have been time during this fieldwork to commence microfilming the theses.

Port Moresby, 4 & 13 May.

On arrival at the Comfort Inn in Boroko I met Robert J. Johns, a botanist who has worked for 40 years on the vegetation and flora of New Guinea. Dr Johns complained about the loss of grey literature, including his own botanical reports, when the New Guinea Collection at the UniTech Library, Lae, was disbanded. Dr Johns suggested a number of possible PMB copying projects, including: Botany Division, Lae, unpublished reports; type specimens at the Herbarium in Lae (20,000 sheets for digitisation); surviving records at the Forestry Library, including West Papua low-land rainforest maps.

On 13 May I visited the PNG National Archives and Records Service. I met Elias Masuali, who is acting National Archivist while Puro Hanua was on leave, and Thomas Luai, acting Senior Archivist. It was still not clear whether Jacob Hevelawa had been appointed to the position of Director General of the PNG National Library and Archives in which he has been acting for some time. I reported to Mr Masuali on recent PMB projects and he gave an account of PNG National Archives Provincial records rescue projects since 2000.

Regarding the proposed digitisation of microfiche copies of PNG patrol reports, Mr Masuali who has been in charge of the Archives' micrographics operations stated that the master negatives of the microfiche could be made available for digitisation in Australia but he would have to accompany them as they were irreplaceable.

Later in the morning Dr Johnson and Mr Nancarrow arrived at the Archives and a meeting was held with Mr Masuali in which Mr Masuali confirmed that RVO files in custody at the National Archives could be made available for microfilming by the Bureau, and that a member of the Archives' staff may be allocated to assist with the microfilming. Mr Masuali also stated that the Archives would prefer to have microfilm copies of the documents, as well as digital, as the microfilm guaranteed authenticity.

At the Archives I met Mr Harumi Sakaguchi who was investigating the exact location of a supposed Japanese war grave near Bomana. Professor Jack Golson and asked me to search for a file on the purchase of Kuk swamp land in 1968 for a tea research station. Mrs Leane Erape, Reference Archivist, and I located the relevant file.

Back at the hotel I shared a room with Winzon Zamang, a forester with the Foundation for People and Community Development (FPCD - <http://www.fpcd.org.pg/>), a national Non-Governmental Organization that has been involved in integrated community development in PNG since 1965. The Foundation would be an interesting organisation to contact regarding its archives.

Ewan Maidment
PMB Executive Officer
22 May 2009

APPENDIX 1.

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REEL LIST

**PMB 1327 RABAU VOLCANOLOGICAL OBSERVATORY,
 Additional volcanological records, 1953-2008. (Restricted access.)**

Reel 1	Box files from RVO Library, including inspection reports.
	<p>Records of Tony Taylor for use by Volcanological Observatory. Box file. Includes the following documents:</p> <ul style="list-style-type: none"> • “Notes by G.A. Taylor June 1955 eruption of Motmot, Long Island”, Ts., 2pp. • “Explosions – Rabalanakaia Flank - 17.30ca, 14/7/75”, Ts., 1p. • Copy memo of Prime Minister’s Department re volcanic eruption on Island of Manam 29/10/1936, Ts., 1p. • H.H. Jackman, District Office, Rabaul, to Senior Volcanologist, Rabaul, giving extracts, translated from German, of “Im Dienste des Kreuzes”, by G. Kunze, the first whiteman on Karkar Island, published in 1901, Ts., 1p. copy. • From Westermann’s <i>Illustrerte Mutsche Manatshepte</i>, LXXI, 1892, “The Tidal Wave and relief expedition from 2 to the South-West Coast of New Britain”, by R. Steinhäuser, Ts., 2pp. • W.A. Ross SVD, “Mourning on a Desolate Coast” (Alexishafen, New Guinea), Ts., roneo, 3pp., re tidal wave at Sapara, 26 Dec 1930.
	<p>Long Island, 1953-1974. Box file. Includes the following documents:</p> <ul style="list-style-type: none"> • Extracts from Monthly reports and RVO files, 1953-1955. • Notes by G.A. Taylor on June 1955 eruption at Motmot, Long Island. • Notes by John Latter aerial inspection 7/6/61, p/c, poor quality. • G.W. D’Addario, “The 1968 Eruption of Long Island”, Ts., pp.110-112, & illus. • Information obtained from Persai Kidon of Matapuno Village, Arop, by interview, 29/10/73, Ms. • Eldon Ball’s photos, 24-27/10/73. • Extracts from journal kept by Dr Eldon Ball relating to activity of Motmot, 24 Oct-2 Nov 1973, Ts., 2pp. • Long Island 1973-1974 eruption. • Long Island eruption May 1973, Ts.
	<p>Langila, 1965, 1970-1975. Box file. Includes the following documents:</p> <ul style="list-style-type: none"> • D.D. Middleton, “Inspection of Volcanic Activity – Mount Langila, New Britain”, TPNG, Dept of Lands, Surveys and Mines, Volcanological Section, Minor Investigation, Report 65506, Ts., roneo, 5pp. • “Activity – Langila Volcano, 1970 Event Chronology”, Ts., c.10pp. • “Langila Charters. Aerial; Inspection – 5th June 1972”, Ts., 1p. • Chronological notes, 1973-1975. • R.J. S. Cooke, “Langila Trip”, 15 Jul-1 Aug 1973, Ts., 42pp. • “Activities of Langila Volcano observed from Kilenge Mission Station in 1973”, Ms., 2pp. • C.O. McKee, “Preliminary Report on Eruptive Activity of Langila Volcano August 1973”, Ts., 12pp., • and other documents. <p>Photographs by R.J.S. Cooke – faded. Not microfilmed.</p>

Reel 2	<p>Langila data 1973. Box file. Includes the following documents:</p> <ul style="list-style-type: none"> • “Langila Volcano Eruptions July-August 1973”, Ms., 55pp. • “Langila 9/11/73 thru to 15/11/73”, Ts., 15pp.
	<p>Box file. Karkar, 1974-1979. Includes the following documents:</p> <ul style="list-style-type: none"> • Observations Karkar, 12-29 Apr, 1 Jun, 10 Jul & 27-29 Jul 1974, Ms pp.27-46, 61-62, p.22, pp.62-74. • Observations Karkar, 18-25 May 1974, pp.69-109. • Observations Karkar, 18 May-25 May 1974, Ts., 17pp. • R.J.S. Cooke, “Reports received concerning new activity at Karkar Island”, n.d. (Feb 1974), Ts., 1p. • “Movie Films – Karkar (Manam), Ms., n.d., Feb-Mar 1974?, Ms., 2pp. • C.O. McKee, “Report for May and June 1974”, Ts., 5pp. • Observations 3/12/78-16/2/79, Ms., pp.70-103 • Observations 17/12/78-1/1/79, Ms., 4pp. • Observations Karkar and Langila, 16 Jan-1 Mar (1979?), Ms., pp.1-67.
	<p>Bagana, 1967-1975. Box file. Includes the following documents:</p> <ul style="list-style-type: none"> • “Notes on inspection of Mt Bagana and Manam Island, New Guinea, Mt Lamington and the Esa’ala Volcanic Area, Papua”, n.d., (1967), Ts., p/c, 7pp. • R.F. Heming, “Aerial Inspection of Mt Bagana 23 September 1967”, Ts., p/c, 2pp. • “Bagana 1970 – Piva Observations”, Ms., 4pp. • W.D. Palfreyman, “Aerial Inspection, Mts Balby, Bagana, 11 October 1970”, Ts., p/c, 1p. • “Aerial Inspections Mt Bagana”, 4 May 1970, Ms., 1p. • W.D. Palfreyman, “Aerial Inspection – Mount Balby and Bagana, 23rd March 1971”, Ts., p/c, 1p. • R.A. Davies, “Investigation of Activity at Mount Bagana (29th March-2nd April 1971)”, Ts., 4pp. • R.J.S. Cooke & I.H. Crick, “Inspection of Mts Taroka and Bagana, and Lake Loloru Bougainville, 4th-11th December 1971”, Ts., 77pp. • D. Ende, “Bagana Volcano – December 1971 and February 1973”, Ts., 5pp. • D.A. Wallace, “Mt Bagana Aerial Inspection – 14th April 1975”, Ts., p/c, 1p. • “Bagana – 19th April 1975”, Ts., p/c, 1p. • Photographs. <p>Additional notes.</p>
	<p>Other PNG Volcanoes. Box file. Includes the following documents:</p> <ul style="list-style-type: none"> • G.A.M. Taylor, “Volcanic Activity in the Doma Peaks Area Southern Highlands, TPNG”, n.d., Ts., 2pp. • R.J.S. Cooke, “Seismic Data for the Papuan Ultramafic Belt”, n.d., Ts., p/c, 8pp. • V.F. Dent, “Hot Springs in Mud Bay, Goodenough Island”, 15 Nov 1974, Ts., 1p. • “Lamington Preliminaries”, n.d., Ms., 1p. <p>Maps.</p>
Information files compiled by Patrice de Saint Ours.	
	<p>RVO History. Station Equipment and Technical History of Observatory. Information file compiled by Patrice de Saint-Ours. Includes the following documents:</p> <ul style="list-style-type: none"> • N.H. Fisher, “Note on Volcanological Observatory in Rabaul”, <i>Bulletin Volcanologique</i>, II-VI, 1940. • G.A. Taylor to N.H. Fisher, 16 Dec 1964, Ts., 1p. re Fisher’s publications. • Dept. of Lands, Surveys and Mines, Staff Postings, 1963-1969. • Job Description for Volcanologist, 1967, Ts., p/c, 1p. • Station Instrumentation. • Dept. of the Administrator, Circular re Volcanological Reports, 20 Mar 1969.

	<ul style="list-style-type: none"> • Visit of their Royal Highnesses The Duke and Duchess of Kent, August 1969. • G. Newstead, "Report on Visit to Rabaul, May 1968 for Inspection and Discussions on Rabaul Harbour Volcanic Warning System", May 1968, Ts., roneo, 22pp. • Note on History to RVO Technical Section, Ts., 2pp. • C.D. Branch, "A Resumé of Volcanic Activity in the Rabaul Area and the Role of the Volcanological Observatory", 1965, Ts., 5pp. • S.H. Latter, "Establishment of the Observatory and Instruments Used", extract from <i>BMR Record</i>, 1966/9. • Draft Report on RVO for Geological Survey Handbook, 1986. • P. de Saint-Ours <i>et al.</i>, "Actualités Géologiques: la crise volcanique de Rabaul", <i>Géochronique</i>, No.60, 1996, p/c.
Reel 3	<p>RVO Contingency Planning, 1985-1991. Information file compiled by Patrice de Saint-Ours. Includes the following documents:</p> <ul style="list-style-type: none"> • Amendment to National Disaster Plan, 1985. • East New Britain Provincial Disaster Committee, Provincial Disaster Plan, Update, 1988. • Model of Behaviour of the Rabaul Volcano leading to Eruption. • RVO Contingency Planning 1991.
	<p>Earthquake, 1939-1973. Information file compiled by Patrice de Saint-Ours. (Magazine box.) Selected papers only microfilmed, including:</p> <ul style="list-style-type: none"> • R.F. Heming, "Notes on Inspection of Mt Bagana and Manam Island, New Guinea, and Mt Lamington and Esa'ala Volcanic Area, Papua", Jul 1967, Ts. • D.M. Finlayson <i>et al.</i>, "Seismic Inspection of Papuan Ultramafic Belt", n.d., Ts. • The Madang Earthquake, 1 Nov 1970, Ts., p/c, 33pp., and appendices. • "Seismic Study of Mount Bagana, May 1973", Ts., annotated. <p>"Aerial Inspection of Bagana and Loloru Volcanoes 20 July 1984, and notes on Bagana Seismicity".</p>
	<p>Manam (I). Information file compiled by Patrice de Saint Ours. (Magazine box.) Selected inspection notes only microfilmed, including:</p> <ul style="list-style-type: none"> • W.L. Conroy, "Survey Report Manam Island", 6 Oct 1958, Ts., p/c, 5pp. and attachments. • G.A.M. Taylor, "Notes on Manam February 1970", Ts., 3pp. • "Manam Island. Analysis of Seismic Record", 14 Aug 1972, Ts. • J. Mori <i>et al.</i>, "Recent Inflationary Tilt at Manam Volcano, PNG, as recorded on a Water-Tube Tiltmeter", n.d., Ts., 3pp.
	<p>Manam (II), 1982-1987. Information file compiled by Patrice de Saint Ours. Includes notes on eruptive history, inspection reports, and Disaster Management Plan.</p>
	<p>Manam (III), 1982-1997. Information file compiled by Patrice de Saint Ours. Includes Disaster Management Planning.</p>
	<p>Langila, 1974-1988. Information file compiled by Patrice de Saint Ours. Includes:</p> <ul style="list-style-type: none"> • R.J.S. Cooke, "Activity at Ritter Island Volcano, October 1974", Ts., roneo, 6pp. • P.L. Lowenstein, "Report on eruptions of Langila Volcano, 17-26 November 1981", Ts., p/c, 4pp. • C.O. McKee <i>et al.</i>, "Langila Volcano Inspection, 6-7 May 1982", Ts., 3pp. • "Langila – 1993. Brief description of the eruption", Ts., 2pp., with "Bagana – 1983. Brief description of the eruption", Ts., 1p. • P.de Saint-Ours & H. Hann, "Langila Inspection: 2-5 October 1985", Ts., 5pp. • P.de Saint-Ours, "Volcanic Risk in the Kandrian-Arawe Island Region", 17 Jun 1988, Ts., 1p., maps.
	<p>Karkar. Information file compiled by Patrice de Saint Ours. Notes on eruptive history and inspection reports, including:</p> <ul style="list-style-type: none"> • B. Talai, "Immediate Report. Inspection of Karkar Volcano and Observation on North

	<p>Coast Volcanoes”, 4-7 Dec 1981, Ts., p/c, 6pp.</p> <ul style="list-style-type: none"> • P.de Saint-Ours & C.O. McKee, “Karkar Inspection, 22-28 May 1983”, Ts., 4pp. • And further notes by P. de Saint-Ours.
	<p>Lamington. Information file compiled by Patrice de Saint-Ours. Includes:</p> <ul style="list-style-type: none"> • C.O. McKee, “Preliminary Report on Mt Lamington Inspection July 1973”, Ts., roneo, 3pp. • “Inspections of Mt Lamington, 8-9 and 27 August 1973”, Ts., 2pp. • “Emergency Plan for use in the event of an eruption on Mt Lamington”, Ts., c.10pp., n.d. • C.O. McKee, “Discussion”, 1976, Ts., p/c, pp.12 & 13. • Geoff Basher, report & sketch, 6 Jan 1986. • B. Talai, photographs of Mt Lamington, 20 Mar 1979.
	<p>Rabaul and history of events. Information file compiled by Patrice de Saint-Ours. Selected papers microfilmed, including:</p> <ul style="list-style-type: none"> • M.A. Reynolds, “Preliminary Report. Geological investigations in connection with Dept. of Works Programme, Rabaul”, 24 Mar 1974, Ts., 6pp. • A.I. Obzhurov, P. de Saint-Ours, C.O. McKee, “Free and Dissolved Gases in the Area of Matupit Bay of Rabaul Caldera, Papua New Guinea”, n.d. (c.1992), Ts., 9pp. • P. de Saint-Ours, “Results of 1981-92 tilt deformations at Rabaul”, Ts., 2pp. • P. Lowenstein, Correspondence, 1985-1988. • Translation of Akiko’s newspaper article about Dr Kizawa, Ts., 1p. • “Super gauge predicts quakes?”, <i>Cairns Post</i>, 28 Dec 1985. • George H. Murray, “In Attendance at the Birth of a Volcano” (Vulcan 1937), Ts., p/c, 3pp. • B. Talai, “Short History of the Rabaul Volcanological Observatory”, n.d., Ts., 4pp.
	<p>Rabaul 1994 Eruption. Information file compiled by Patrice de Saint-Ours. Selected papers microfilmed, including:</p> <ul style="list-style-type: none"> • John Beagley, “Diary of Disaster”, Ts., p/c, 4pp. • “Chronology of Events relating to the Rabaul Eruptions of 1994”, Ts., 1p. • Jacques Durieux <i>et al.</i>, “Nouvelle-Guinée. Sous nos yeux, l’enfer”, <i>Le Figaro</i>, 15 Oct 1994. • P. de Saint Ours, “Some Attempts at Cross-Sections”, 27 Oct 1994. • Seismic monitoring left by USGS Team, mid Oct 1994. • P. de Saint Ours to UNDR0 22 Feb 1995, re declaration of Stage 3 Alert at Rabaul in September 1994. • C.O. McKee, “Lessons from 1937 and 1994 eruptions in Rabaul”, Feb 1997, Ts., 2pp. (draft). • Dept. of Mining & Petroleum, Geological Survey Division, ENBPDC Meeting 15 July 1996, “Report on the Eruption Activity at Tarvurur 6 June-15 July 1996”, p/c. • John Tomblin <i>et al.</i>, “PNG Analysis of Lesson Learnt from Rabaul Volcanic Eruption and Programming for Disaster Mitigation Activities in Other Parts of the Country. Report of Mission from 17-26 Feb 1995”, UN Dept. of Humanitarian Affairs, p/c. • And other documents.
Reel 4	R.J.S. Cooke, Correspondence, 1971-1978. In chronological order.
	<p>Annual Reports of the Volcanological Observatory, Rabaul, 1960-1967, 1969, 1987. As follows:</p> <ul style="list-style-type: none"> • Volcanological Observatory Rabaul, Summary of Activities for 1960. • Volcanological Observatory Rabaul, Summary of Activities — 1961. • Proposed Geological Programme for 1961 for Resident Geological Staff in Papua and

	<p>New Guinea.</p> <ul style="list-style-type: none"> • Volcanological Observatory Rabaul, Programme of Work for 1961-62. • Summary of Work Carried out at Rabaul Observatory during the Current Year (1962). • Volcanological Observatory Rabaul, Annual Summary Report, 1963. • Volcanological Observatory Rabaul, Annual Summary of Activities 1964. • New Guinea. Geological and Volcanological Services (for 1965). • Territory of Papua and New Guinea. Resident Geological Section. Summary of Activities 1965, by A. Renwick. • Appendix III of “Minutes of Programme Conference 3-4 Nov 1965. Report of the Sub-Committee on Seismology in the Territory”. (Planning fro 1966.) • Territory of Papua and New Guinea. Resident Geological Section. Summary of Activities for 1966. • Territory of Papua and New Guinea. Resident Geological Section. Volcanological and Seismological Annual Summary Report 1966. • Territory of Papua and New Guinea. Resident Geological Section. Programme Conference 1966. Agenda and minutes. Port Moresby, 25th-27th October 1966. • Territory of Papua and New Guinea. Resident Geological Section. Volcanological and Seismological Annual Summary Report 1967. • Interim Progress Report for 1969. Volcanological Section. • Geological Survey of Papua New Guinea. Volcanological Observatory Division. Annual Report 1987.
	<p>Loose volcanological reports, 1953-2008, arranged chronologically.</p> <ul style="list-style-type: none"> • J.G. Best, “Volcanic Activity – St. Andrew Strait” 6 Jul 1953, Ts., 3pp. (Copy of notes.) • N. Myers, “Report of Visits to Seismological Observatories” (in Australia), 1964, Ts., 9pp., diags. • R.F. Heming, “Notes on Inspection of Mt Bagana and Manam Island, New Guinea. Mt Lamington and the Esa’ala Volcanic Area”, Jul 1967, Ts., 17pp., maps, diags. • G.A. Taylor, “Classification of Territory Volcanoes”, c.1970, Ts., roneo, c.30pp. • D. Denham & I.B. Everingham, “Seismicity of New Guinea –Solomon Islands Region”, 1970, Ts., roneo, 7pp. • “Some Information on the Volcanoes of New Guinea and Volcanic Activity”, c.1970, Ts., 3pp. • Tsunamis recorded at Rabaul Wharf. Folder including: “PNG Tsunami 1768-1970”, Ts., 19pp.; “Notes on Tsunamis Observed at Rabaul July 1971”, Ts., 2pp.; “Two Major Earthquakes in the New Guinea Islands, July 1971, and their Effects”, Ts., roneo, 5pp.; “Torokina, July 1975”, Ms., 1p.; “5 March 1982 Tsunami Rabaul Tidal Gauge, 1p.; “Tsunami, 3rd July 1985, Rabaul PNG”, Ms., p/c, 1p. • “Langila Eruption, 27-28 June 1972”, Ms., 7pp. • Bagana Lava Flows, 1964-1972. Map, Ms., 1p. • “Rabaul Caldera Explosion Program – June 1972”, Ts., 3pp. • “Bam Volcano – January 1973”, Ts., 3pp. • R.J.S. Cooke, “Seismic Experiment at Manam Volcano, August 1972 and February 1973”, 28 Feb 1973, Ts., 4pp. • “Long Island” (25 Oct-8 Nov 1973), Ts., 22pp. • D.M. Finlayson <i>et al.</i>, “Seismic Investigation of the Papuan Ultramafic Belt”, c.1975, Ts., roneo, 18pp., tables. • Tim Sprod, “Rabaul; Excursion 2B – Rabaul and Immediate Surrounds”, 25th International Geological Congress, August 1976, Ts., roneo, 3pp. • “Notes on the Gazelle Peninsula” 25th International Geological Congress, Aug 1976, Ts., roneo, 5pp. • Tim Sprod, “Pseudokarst Feature near Tarvurur Volcano, Rabaul”, 1976, Ts., 6pp. • T.G. Emeleus, “Magnetism of the Volcanoes of the Rabaul Caldera, Papua New

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Reel 5	Additional box files from RVO Library.
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APPENDIX 2.

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REEL LIST

**PMB Doc 500 *Hiltruper Monatshefte* (Missionaries of the Sacred Heart),
Vols.3, 5-10, 12-13, 1886, 1888-1893, 1895-1896. Reels 1-4. (Available for reference.)**

Reel 1	<i>Monatshefte</i> , 1886	Jahrgang III, 1886, pp.1-192, indexed.
	<i>Monatshefte</i> , 1886	Beilage zu ben Monatsheften, 1886, pp.1-192, indexed.
	<i>Monatshefte</i> , 1888	Jahrgang V, 1888, pp.1-192, indexed. Pp.75-76 missing.
Reel 2	<i>Monatshefte</i> , 1888	Beilage 1888, pp.1-192, indexed.
	<i>Monatshefte</i> , 1889	Jahrgang VI, 1889, pp.1-192, indexed.
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	<i>Monatshefte</i> , 1890	Jahrgang VII, 1890, pp.1-192, indexed.
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	<i>Monatshefte</i> , 1891	Jahrgang VII, 1891, pp.1-192, indexed.
Reel 3	<i>Monatshefte</i> , 1891	Beilage 1891, pp.1-192, indexed.
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	<i>Monatshefte</i> , 1893	Jahrgang X, 1889, pp.1-191, indexed.
	<i>Monatshefte</i> , 1893	Beilage 1889, pp.1-191, indexed.
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	<i>Monatshefte</i> , 1896	Jahrgang XIII, 1896, pp.1-382, indexed.

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