SCUFN28-07.2B

Paper for Consideration by SCUFN

Report of the work made during the inter-sessional period

Monitoring of the PENDING names and management of the list of the reserved-specific terms

Submitted by:	IHB (as SCUFN Secretary)
Executive Summary:	At SCUFN27, it was agreed to better monitor the evolution of the number of PENDING names in the Undersea Feature Names Database of the GEBCO Gazetteer (Action SCUFN27/90 refers) and also to clarify the way for managing and improving the use of the reserved-specific terms (Action SCUFN27/13 refers).
Related Documents:	N/A
Related Projects:	N/A

Introduction / Background

1. In 2014, following the SCUFN27 meeting and considering the limited resources available within its Sub-Committee, the Secretariat of the GEBCO Sub Committee on Undersea Feature Names (SCUFN) decided to contract several tasks in order to improve the content of the IHO-IOC online GEBCO Gazetteer of Undersea Feature Names Database and enhance the future SCUFN day-to-day operations. The following tasks were contracted to the former SCUFN Secretary.

Tasks	Objectives	Outcome reported in
1&2	*Major upgrade of the quality of the content of the database and consistency check* by populating the fields ""Minimum depth", "Maximum depth", "Total relief", "Dimension/Size", "Associated meeting", "Proposal date" and "Discovery date"	Doc. SCUFN28-07.2A
3	*Harmonization and standardization of the spelling of proposers and discoverers*	Doc. SCUFN28-07.2A
4	*Establishment of a wish-list of potential improvements to the interface of the on-line Gazetteer*	Doc. SCUFN28-07.1A
5	*Preparation of recommendations from the comprehensive use, in test mode, of the new interfaces www.scufnterm.org, www.scufn.submission.org, and www.scufnreview.org*	Doc. SCUFN28-06C
6	*Preparation of proposals for improving the procedure when assessing feature names lists proposed by national geographical names bodies*	Doc. SCUFN28-05.2C
7	*Monitoring of the PENDING names and management of the list of the reserved-specific terms*	Doc. SCUFN28-07.2B

2. The objective of this submission paper is to report on Task 7.

Analysis/Discussion

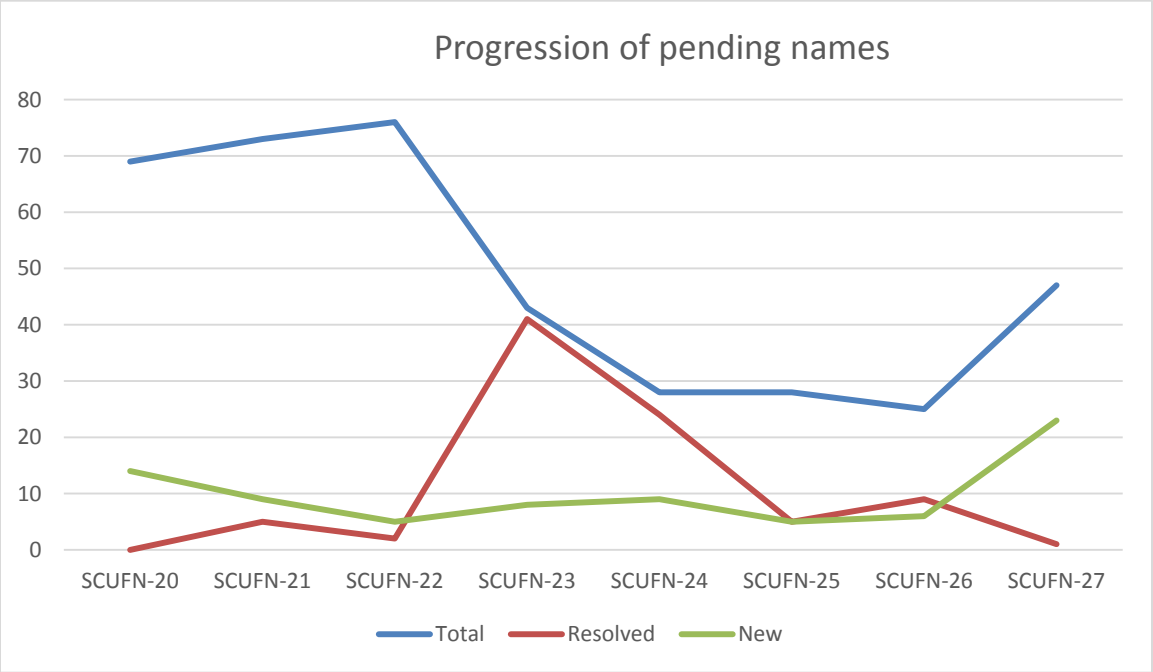
Pending Names

3. As of May 2015, there are 47 Pending names in the Gazetteer. SCUFN meeting actions and/or documents which refer to each of the Pending names, have been included in the "Editor's Remarks" field. The table given in Annex A contains a summary of the information relating to the "pending" aspect of these names. It also includes suggestions to progress the related issues.

4. A summary of the evolution of the number of pending names since 2007 (SCUFN-20) is given in the following table:

Meeting	Total number of pending names at the end of the meeting	Number of pending names resolved at the meeting or since the previous meeting	Number of new pending names resulting from the meeting
SCUFN-20	69	0	14
SCUFN-21	73	5	9
SCUFN-22	76	2	5
SCUFN-23	43	41	8
SCUFN-24	28	24	9
SCUFN-25	28	5	5
SCUFN-26	25	9	6
SCUFN-27	47	1	23

The graphic below shows the evolution of the number of pending names.



5. It is a fact that SCUFN Members (and SCUFN Sec.) may encounter difficulties in progressing some actions during the inter-sessional period. It is therefore not unlikely that the number of pending names will continue to augment if the number of proposals received per year remains (only) stable while no drastic measures are taken to progress with the pending actions. This is a matter of discussion at SCUFN28.

List of Reserved Specific Terms

6. At past SCUFN meetings, a number of proposed names were not accepted because the relevant feature was considered too minor to deserve a name, or evidence of the feature was not clear from the supporting bathymetry provided, or the feature had already been named. However, the proposed specific term was considered valid for undersea feature naming purpose and the proposer was invited to use that specific term for a future proposal. Meanwhile, the term was included in a maintained list of reserved specific terms, mostly names of un-commemorated personalities whose contribution to ocean sciences, exploration or history has been recognized.

7. The current list of specific-term is given in Annex B, along with a brief description of the reason for naming / biography.

Recommendations

It is recommended that:

8. SCUFN considers an internal experimental procedure to progress the actions related to PENDING names. Draft proposals for this procedure to be provided to the SCUFN Secretary for being considered at SCUFN29.

9. SCUFN Members (and Secretary), listed in Annex A, report **by 31 Dec. 2015** to the SCUFN Secretary on the progress of their actions.

10. SCUFN Secretary upload the list of reserved-specific terms, as in Annex B, on the SCUFN page of the IHO website (section "Miscellaneous") and on the Undersea Feature Names page of the GEBCO website, with a caveat such as "*Potential proposers of undersea feature names are invited to consult the list of reserved specific terms and take them into consideration, before submitting their proposals to SCUFN*."

11. In future SCUFN-related IHO circular letter, SCUFN Chair includes a section with a text based on the considerations given above, including an hyperlink to the list itself, and concluding with an invitation for Proposers to consult the list of reserved-specific terms and take them into consideration, before submitting any proposals to SCUFN.

Action required of SCUFN

12. SCUFN is invited to:

a. note this report
b. consider the recommendations made in sections 8 to 11 and propose a way forward.

List of pending names with recommended actions, if appropriate

Pending Name	Action by	Action Details	Action/Doc No	Comments/Suggestions
Aniva Seamount	K. Dobrolyubova	In liaison with the proposer, complementary data (track lines, steepness, location of the minimum depth) to be provided in accordance with B-6.	SCUFN27/69	Specific term agreed.
Araara Seamount	V. Stagpoole	In liaison with the proposer, provide SCUFN with more detailed bathymetric data (cross profiles, depths, etc.) and accurate geometry (linear features coordinates, polygons as shapefile, etc.).	SCUFN27/65	Specific term agreed in principle.
Arauco Basin	Secretary	To progress the following names in the Reserve Section of the GEBCO Gazetteer: Arauco Basin…	SCUFN23/67 SCUFN24-03.1C	Specific term agreed. More bathymetric evidence is required. No response received from SHOA to letter in SCUFN24-03.1C. F. Barrios to consider taking the lead on this issue.
Atlant Seamount	K. Dobrolyubova	To provide further information on (the proposed) Atlant Seamount, that is, additional bathymetric data, location of peaks and a polygon for the feature.	SCUFN26/56	Specific term agreed.

Beiersdorf Peak	N. Cherkis	To ask M. Jakobson, as IBCAO Chair, for information about Beiersdorf Peak ...	SCUFN26/03 SCUFN24-03.1B	Specific term agreed. Additional bathymetric information covering the highest point of this feature is needed to confirm that the feature is actually a peak. (re: SCUFN24-03.1B)
Bezrukov Ridge	K. Dobrolyubova	In liaison with the proposer, complementary data (track lines, steepness, location of the minimum depth) to be provided in accordance with B-6.	SCUFN27/70	Specific term agreed.
Campbell Island / Motu Ihupuku Shelf	V. Stagpoole	In liaison with the proposer, provide SCUFN with more detailed bathymetric data (cross profiles, depths, etc.) and accurate geometry (linear features coordinates, polygons as shapefile, etc.).	SCUFN27/65	Specific term agreed in principle.
		Noting that SCUFN is in the view that the generic terms *Island* and *Motu* that are already part of the specific-dual terms should be withdrawn, to report on this issue at SCUFN-28 in liaison with the proposer.	SCUFN27/68	
	Secretary	Considering that it is not possible to use *either* Campbell *or* Ihupuku, proposals for the specific terms are agreed provided the features are designated by both names separated by an hyphen, as Campbell-Ihupuku, rather than by a "/". Secretary to liaise with the proposer on this issue.	(*No action in SCUFN-27 report, but it has been assumed that the issue is the same as for the other dual names proposed by NZGB*)	Discussion at SCUFN28, see Doc. SCUFN28-05.2B
Cánepa Seamount	W. Reynoso-Peralta	To review any new data in support of Cánepa Seamount ...	SCUFN25/13	Specific term agreed in principle.

Chiloé Basin	Secretary	To progress the following names in the Reserve Section of the GEBCO Gazetteer: … Chiloé Basin…	SCUFN23/67 SCUFN24-03.1C	Specific term agreed. More bathymetric evidence is required. No response received from SHOA to letter in SCUFN24-03.1C. F. Barrios to consider taking the lead on this issue.
Darvin Guyot	K. Dobrolyubova	To provide further information on (the proposed) Darvin Guyot, that is, additional bathymetric data, location of peaks and a polygon for the feature.	SCUFN26/57	
Donnell Seamount	*None*	*No action*	SCUFN-24 report, pp. 94-95	Name accepted by ACUF (see also www.caris.com/news/story.cfm?id=83). However, as Mr. Donnell was living at the time of the proposal (2011), SCUFN decided to decline naming the feature in accordance with SCUFN's policy to normally not accept names proposed after living persons. Generic term agreed. Suggest this name be re-considered at SCUFN29 meeting.
Echi Seamount	Lin S.	Proposals for Echi Seamount and Huigong Guyot were considered together as they seem to be part of a bigger feature (designated as Allison Guyot in ACUF database). Using all existing available data (IHO Data Center for Digital Bathymetry, public domain), S. Lin to provide SCUFN-28 with a bigger view of the global area as the features might qualify for a spur.	SCUFN27/23	
Endeavour Seamount	K. Dobrolyubova	To provide further information on (the proposed) Endeavour Seamount, that is, additional bathymetric data, location of peaks and a polygon for the feature.	SCUFN26/58	A new specific term should be used, as there is already an Endeavour Seamount in the GEBCO Gazetteer.

Flamingo Seamount	Secretary	To ask Ecuador for the bathymetric data to the east and the polygon showing the extent of the proposed Flamingo Seamount; also to submit a completed form with track control, estimated horizontal accuracy and other details.	SCUFN24/02	Specific term agreed. More detail is needed to define the extent of this feature before accepting the generic term. (re: SCUFN-24 report, p. 13) Need to contact INOCAR (Sec.)
		To ask for additional information to INOCAR, Ecuador, regarding Flamingo Seamount (pending), ...	SCUFN26/02	
Galera Seamount	Secretary	To ask Ecuador for the bathymetric data to the north and the polygon showing the extent of the proposed Galera Seamount; also to submit a completed form with track control, estimated horizontal accuracy and other details.	SCUFN24/03	Specific term agreed. More detail is needed to define the extent of this feature before accepting the generic term. (re: SCUFN-24 report, p. 14) Need to contact INOCAR (Sec.)
		To ask for additional information to INOCAR, Ecuador, regarding ... Galera Seamount (pending), ...	SCUFN26/02	
Gion Seamount Chain	Y. Ohara	Awaiting more bathymetric data.	SCUFN-26 report, para. 4.2.11	Specific name agreed in principle.
Guayas Seamount	Secretary	To ask Ecuador to provide more information about the bathymetry of the proposed Guayas Seamount and the surrounding area, and a polygon that encloses the feature.	SCUFN24/10	Specific term agreed. However, the feature is not clearly defined by the data provided by Ecuador and more information, including regional bathymetry, needs to be provided. (re: SCUFN-24 report, p. 18) Need to contact INOCAR (Sec.)
		To ask for additional information to INOCAR, Ecuador, regarding ... Guayas Seamount (pending).	SCUFN26/02	

Huigong Guyot	Lin S.	Proposals for Echi Seamount and Huigong Guyot were considered together as they seem to be part of a bigger feature (designated as Allison Guyot in ACUF database). Using all existing available data (IHO Data Center for Digital Bathymetry, public domain), S. Lin to provide SCUFN-28 with a bigger view of the global area as the features might qualify for a spur.	SCUFN27/23	
Jugah Seamount	NHC, Malaysia	To propose (another) specific name to [~~Jugah~~] Seamount next year as SCUFN was in the view that justifications appear not to be fully compliant with B-6 regulations.	SCUFN27/09	Generic term agreed. To be discussed under SCUFN28-04.1A.
Mokohinau Canyon	V. Stagpoole	In liaison with the proposer, provide SCUFN with more detailed bathymetric data (cross profiles, depths, etc.) and accurate geometry (linear features coordinates, polygons as shapefile, etc.).	SCUFN27/65	Specific term agreed in principle.
Naletov Ridge	K. Dobrolyubova N. Cherkis	To investigate the history of Naletov Ridge vs Brass Ridge to find the appropriate name for the feature.	SCUFN26/09	Generic term agreed.
Nella Dan Trough	V. Stagpoole	To progress the name Nella Dan Trough, ...	SCUFN24/91	Specific term agreed. More bathymetric evidence is required.
Neprochnov Seamount	K. Dobrolyubova	In liaison with the proposer, complementary data (track lines, steepness, location of the minimum depth) to be provided in accordance with B-6.	SCUFN27/71	Specific term agreed.
NP-28 Seachannel (should be “Sea Channel” in accordance with B-6)	N. Cherkis	To ask M. Jakobson, as IBCAO Chair, for information about ... NP-28 Seachannel.	SCUFN26/03	Specific term agreed in principle. More data is needed to better define the feature between seismic lines. The feature is not evident on the IBCAO chart. (re: SCUFN-18 report, p. 17)

Ohena Knoll	V. Stagpoole	In liaison with the proposer, provide SCUFN with more detailed bathymetric data (cross profiles, depths, etc.) and accurate geometry (linear features coordinates, polygons as shapefile, etc.).	SCUFN27/65	Specific term agreed in principle.
Orion Seamount	Secretary	To ask Ecuador why they propose Orion Seamount for such a minor feature and/or if there is more information about the bathymetry for naming the feature.	SCUFN24/09	Specific term agreed. However, the feature, as shown in the proposal, is not large enough to be called a Seamount as proposed. (re: SCUFN-24 report, p. 17) Need to contact INOCAR (Sec.)
		To ask for additional information to INOCAR, Ecuador, regarding ..., Orion Seamount (pending) ...	SCUFN26/02	
Paritu Trough	V. Stagpoole	In liaison with the proposer, provide SCUFN with more detailed bathymetric data (cross profiles, depths, etc.) and accurate geometry (linear features coordinates, polygons as shapefile, etc.).	SCUFN27/65	Specific term agreed in principle.
Poseydon Seamount	K. Dobrolyubova	To provide further information on (the proposed) Poseydon Seamount, that is, additional bathymetric data, location of peaks and a polygon for the feature.	SCUFN26/59	Specific term agreed.
Pukaki Canyon	V. Stagpoole	In liaison with the proposer, provide SCUFN with more detailed bathymetric data (cross profiles, depths, etc.) and accurate geometry (linear features coordinates, polygons as shapefile, etc.).	SCUFN27/65	Specific term agreed in principle.
Pukaki Saddle	V. Stagpoole	In liaison with the proposer, provide SCUFN with more detailed bathymetric data (cross profiles, depths, etc.) and accurate geometry (linear features coordinates, polygons as shapefile, etc.).	SCUFN27/65	Specific term agreed in principle.

Pukekura Canyon	V. Stagpoole	In liaison with the proposer, provide SCUFN with more detailed bathymetric data (cross profiles, depths, etc.) and accurate geometry (linear features coordinates, polygons as shapefile, etc.).	SCUFN27/65	Specific term agreed in principle.
Puketuroto / Hoopers Canyon	V. Stagpoole	In liaison with the proposer, provide SCUFN with more detailed bathymetric data (cross profiles, depths, etc.) and accurate geometry (linear features coordinates, polygons as shapefile, etc.).	SCUFN27/65	Specific term agreed in principle.
	Secretary	Considering that it is not possible to use either Puketuroro or Hoopers, proposals for the specific terms are agreed provided the features are designated by both names separated by an hyphen, as Puketuroto-Hoopers, rather than by a "/". Secretary to liaise with the proposer on this issue.	SCUFN27/66	
Puketuroto / Hoopers Channel (should be “Sea Channel” in accordance with B-6)	V. Stagpoole	In liaison with the proposer, provide SCUFN with more detailed bathymetric data (cross profiles, depths, etc.) and accurate geometry (linear features coordinates, polygons as shapefile, etc.).	SCUFN27/65	Specific term agreed in principle.
	Secretary	Considering that it is not possible to use either Puketuroro or Hoopers, proposals for the specific terms are agreed provided the features are designated by both names separated by an hyphen, as Puketuroto-Hoopers, rather than by a "/". Secretary to liaise with the proposer on this issue.	SCUFN27/66	

Qinggao Seamount	Lin S.	(The proposed) Qinggao Seamount seems to be part of a linear feature (ridge with individual peaks). Using all existing available data (IHO Data Center for Digital Bathymetry, public domain), S. Lin to make a new proposal by SCUFN-28.	SCUFN27/18	
Raja Jarom Ridge	NHC, Malaysia	To propose (another) specific name to [~~Raja Jarom~~] Ridge next year as SCUFN was in the view that justifications appear not to be fully compliant with B-6 regulations.	SCUFN27/08	Generic term agreed. To be discussed under SCUFN28-04.1A.
Rentap Hill	NHC, Malaysia	To propose (another) specific name to [~~Rentap~~] Hill next year as SCUFN was in the view that justifications appear not to be fully compliant with B-6 regulations.	SCUFN27/05	Generic term agreed. To be discussed under SCUFN28-04.1A.
Rosli Hill	NHC, Malaysia	To propose (another) specific name to [~~Rosli~~] Hill next year as SCUFN was in the view that justifications appear not to be fully compliant with B-6 regulations.	SCUFN27/07	Generic term agreed. To be discussed under SCUFN28-04.1A.
Saimei Seamount	Y. Ohara	Additional bathymetric data awaited.	SCUFN-20 report, para. 5.1.5.1	Specific term agreed in principle.
São Paulo Seamount	A.A. Alberoni	To progress the following name: São Paolo Seamount ...	SCUFN24/93	Specific term agreed. More bathymetric data is required. (re: SCUFN-24 report, p. 103)
Songpyeon Ridge	H-C. Han	More information to define the feature is needed from the Korean Committee on Geographical Names.	SCUFN-24 report, p. 91	Specific term agreed.
Songpyeon Escarpment	H-C. Han	More information to define the feature is needed from the Korean Committee on Geographical Names.	SCUFN-24 report, p. 92	Specific term agreed. Note that the geometry and relief details provided for this feature are identical to those for Songpyeon Ridge.

Taitimu / Caswell Ridge	V. Stagpoole	In liaison with the proposer, provide SCUFN with more detailed bathymetric data (cross profiles, depths, etc.) and accurate geometry (linear features coordinates, polygons as shapefile, etc.).	SCUFN27/65	Specific term agreed in principle.
	Secretary	Considering that it is not possible to use either Taitimu or Caswell, proposals for the specific terms are agreed provided the features are designated by both names separated by an hyphen, as Taitimu-Caswell, rather than by a "/". Secretary to liaise with the proposer on this issue.	SCUFN27/67	
Valdivia Basin	Secretary	To progress the following names in the Reserve Section of the GEBCO Gazetteer: … Valdivia Basin…	SCUFN23/67 SCUFN24-03.1C	Specific term agreed. More bathymetric evidence is required. No response received from SHOA to letter in SCUFN24-03.1C. F. Barrios to consider taking the lead on this issue.
Valparaiso Basin	Secretary	To progress the following names in the Reserve Section of the GEBCO Gazetteer: … Valparaiso Basin.	SCUFN23/67 SCUFN24-03.1C	Specific term agreed. More bathymetric evidence is required. No response received from SHOA to letter in SCUFN24-03.1C. F. Barrios to consider taking the lead on this issue.
Vostok Seamount	K. Dobrolyubova	To provide further information on (the proposed) Vostok Seamount, that is, additional bathymetric data, location of peaks and a polygon for the feature.	SCUFN26/60	Specific term agreed.
Waiatoto Channel	V. Stagpoole	In liaison with the proposer, provide SCUFN with more detailed bathymetric data (cross profiles, depths, etc.) and accurate geometry (linear features coordinates, polygons as shapefile, etc.).	SCUFN27/65	Specific term agreed in principle.

Zhuze Seamount	K. Dobrolyubova	In liaison with the proposer, complementary data (track lines, steepness, location of the minimum depth) to be provided in accordance with B-6.	SCUFN27/72	Specific term agreed.

List of reserved-specific terms

Name of reference	Details / Biography	Associated meeting
Bochkovskiy	Georgiy Vladimirovich Bochkovskiy (1926-1999) was a Russian hydrographer and an active explorer of the Atlantic Ocean bottom relief and geophysical fields. He was in command of the oceanographic vessels division, and Chief of the Atlantic Oceanographic Expedition. He made considerable contribution into the initiation and organization of the oceanographic research.	SCUFN-18
Caiwei	Caiwei is the title of one of the best poems in “Shi Jing·Xiao Ya” (an ancient book of poems), written by the soldiers of Zhou Dynasty around 1000 years BC. This poem described the hardships of life and homesickness feelings of soldiers. The poem lively described the natural scenery of the crop Wei (Osmund) from growth to harvest year after year. The description of pure and simple thoughts of the soldiers allowed this poetry full of vitality and appeal.	SCUFN-24
Chabert	G. Chabert (?-1999) was a scientist at University of Western Brittany (Brest).	SCUFN-14
Cousteau	Jacques-Yves Cousteau (1910-1997) was a French naval officer, explorer, conservationist, filmmaker, innovator, scientist, photographer, author and researcher who studied the sea and all forms of life in water.	Mentioned at several recent meetings.
Dill	Robert F. Dill (1927-2004), U.S. marine geologist, was a pioneer investigator of submarine canyon processes, submersibles, scuba diving for scientific purposes, and sea level history. He was co-author of the book “Submarine Canyons” with Francis P. Shepard of Scripps Institution of Oceanography (SIO), USA.	SCUFN-20
Erdman	Dmitriy Ernestovich Erdman (1925-1992) was a Russian navigation officer. For many years, he served in subdivisions of the Northern Fleet, providing hydrographic studies of the Arctic Basin. He became fleet navigation officer of the Northern Fleet, then chief of a department at the Russian Naval Academy.	SCUFN-18
Ginsburg	Gabriel Ginsburg (?-1998) was a Russian scientist and pioneer in the field of methane hydrates. He was responsible for the bulk of research conducted in this field from the late 1970s to the early 1990s. His work was, and still is, well respected in the field of methane hydrate exploration.	SCUFN-19
Gomes	Estêvão Gomes (c. 1483-1538) was a Portuguese explorer. He sailed	SCUFN-13

Name of reference	Details / Biography	Associated meeting
	with Magellan's fleet but deserted the flotilla and brought his ship back to Spain in 1521. In 1524 he coasted the North American continent from Cuba to Cape Race, seeking a passage to the Pacific and to the Orient. In 1535 he accompanied Mendoza to the Rio de la Plata and in 1537 he was with Ayolas on his traverse of the Gran Chaco, being killed by Indians on the return.	& 14
Grigor'ev	Iosif Fedorovich Grigor'ev (1890-1949) was a Russian academic geologist. From 1946-1949, he was the director of the Geological Institute of the Russian Academy of Sciences. He elaborated a method of "mineragraphic" studying of ore and proposed a classification for ore structure.	SCUFN-21
Gungbok	Gungbok was a leading Korean figure in establishing North Asian maritime trade during the Korean Shilla Dynasty.	SCUFN-24
Kotsebu	Otto von Kotzebue (1787-1846) was a Russian naval officer and explorer who charted much of the Alaskan coast, and discovered and named Kotzebue Sound, off western Alaska, as well as several islands in the Society and Marshall groups in the Pacific. He was chief of the first Russian expedition in the eastern part of the Chukchi Sea and Aleutian Islands on the ship "Ryurik" from 1815-1818. He participated in two round-the-World Russian expeditions: 1803-1806 on the ship "Nadezhda" and 1823-1826 on the ship "Predpriyatie".	SCUFN-17
Kuz'min	Grigoriy Fyodorovich Kuz'min (1917-1983), was a Russian hydrographer. For many years, he served in hydrographic subdivisions of the Northern Fleet. He was leader and organizer of the hydrographic research in the Far East. He made considerable contribution to the initiation of oceanographic research.	SCUFN-18
McAlinden	John M. McAlinden was head of bathymetric mapping at the U.S. National Ocean Service.	SCUFN-11
Nautilus	U.S. submarine "Nautilus" was the world's first operational nuclear-powered submarine. The vessel was the first submarine to complete a submerged transit to the North Pole on 3 August 1958. Sharing names with Captain Nemo's fictional submarine in Jules Verne's *Twenty Thousand Leagues Under the Sea*.	SCUFN-15
Papanin	Ivan Dmitrievich Papanin (1894-1986) was a Russian polar explorer, scientist, Counter Admiral, and twice Hero of the Soviet Union, who was awarded nine Orders of Lenin. In 1937-1938 he was in charge of the famous expedition North Pole-1, where, with three other researchers, he landed on the drifting ice-floes in an airplane. For 234 days, Papanin's team carried out a wide range of scientific observations in the near-polar zone, until taken back by icebreakers. It was the first expedition of its kind in the world.	SCUFN-16
Pogy	U.S. Sturgeon-class submarine "Pogy" was the second ship of the U.S. Navy to be named for the pogy (a trout found in Lake Tahoe in California and Nevada).	SCUFN-16
Polevoy	I.V. Polevoy was a Russian marine geomorphologist who worked in	SCUFN-14

Name of reference	Details / Biography	Associated meeting
	NW Pacific at the beginning of the 20th century.	
Sedov	Georgy Yakovlevich Sedov (1877-1914) was a Russian polar explorer, leader of the expedition to the North Pole on the ship “St. Foka” in 1912.	SCUFN-17
Snellius	Dutch research vessel “Willebrord Snellius”, named after the Dutch astronomer and mathematician Willebrord Snellius (1580-1626), carried out a detailed reconnaissance in Indonesia in the 1930s.	SCGN-9
Snezhinskiy	Vladimir Apollinar’yevich Snezhinskiy (1896-1978), was a Russian oceanographer and active explorer of the North Atlantic, Black Sea and Sea of Azov. He contributed to the study of Atlantic Ocean bottom relief and geophysics, publishing over 100 scientific papers.	SCUFN-17
Vartan’yan	Sergey Il’ich Vartan’yan (1921-1999) was a Russian Hydrographer and an active explorer of the Arctic and Atlantic Oceans, Baltic and Caspian Seas. He was the leader of a complex oceanographic expedition in the Caribbean Basin. He made considerable contribution to the improvement of the World Ocean hydrographic and geophysical research.	SCUFN-17 & 18
Viehoff	Thomas Viehoff (?-1994) was a German marine scientist who worked in Antarctica. He died young in December 1994.	SCUFN-11 & 13
Vladimirskiy	Lev Anatol’yevich Vladimirskiy (1903-1973) was a Russian navigation officer who served in the Russian Black Sea Fleet. He was an active explorer and leader of several hydrographic expeditions on the World Ocean study. A research hydrographic vessel is named after him.	SCUFN-17
Williams	Ralf Vaughan Williams (1872-1958) was an English composer of symphonies, chamber music, opera, choral music, and film scores, arguably the greatest composer Britain has seen since the days of Henry Purcell. In 1910, he composed "A Sea Symphony" (Symphony No. 1) and in 1958 he completed the "Sinfonia Antartica" (Symphony No. 7), based on his 1948 film score for Scott of the Antarctic.	SCUFN-19
Yabe	Hisakatsu Yabe of Tohoku University (1878-1969) was a prominent pioneer Japanese geologist.	SCUFN-23