

## Bibliography of Henri Fontaine (1954 – 2015) with keywords and appendix

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(Received 17 January 2018; accepted 24 January 2018)

**Abstract:** This bibliography lists all publications by Henri Fontaine from 1954 to 2015. Out of 313 titles, he is sole or main author of 279 articles (with reference numbers from 20 to 298) and co-author of the remainder. These papers concern many countries of eastern Asia: Cambodia, China, South Korea, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand and Viet Nam. Some papers relate to other countries: Afghanistan, France, Iran, Oman. Most of the publications are about geology, palaeontology and stratigraphy. The remainder covers different fields: archaeology, biography, bibliography, flora, history of geological researches, religion, tektites and thermo-mineral springs.

Each reference gives key-words about localities, subject of study, fossils and ages. An appendix covers subjects, geography, archaeological and geological ages with reference numbers.

**Résumé:** Cette bibliographie rassemble toutes les publications de Henri Fontaine, depuis 1954 jusqu'en 2015. Sur 313 titres, il est seul ou principal auteur de 279 articles (portant les numéros de référence de 20 à 298) et co-auteur du reste. Ces articles ont été consacrés à plusieurs pays de l'Asie de l'Est: Cambodge, Chine, Corée du Sud, Indonésie, Laos, Malaisie, Myanmar, Philippines, Thaïlande et Viet Nam. Certains articles sont relatifs aux autres pays: Afghanistan, France, Iran, Oman. Une large majorité de ces publications couvre la géologie, la paléontologie, et la stratigraphie. Le reste est destiné à de divers domaines: archéologie, biographie, bibliographie, flore, histoire de recherches géologiques, religion, sources thermo-minérales et tectites.

Chaque référence bibliographique donne des mots-clés sur les localités, sujets d'étude, fossiles et âges des sites. Enfin, un appendice couvre les sujets d'étude, la géographie, les âges archéologiques et géologiques avec les numéros de référence.

**Keywords:** Archaeology, Asia, bibliography, biography, corals, data, dating, fossils, geology, Indochina, limestone, mass extinction, paleontology, religion, stratigraphy, tektites, thermal springs

### 1. Introduction

This bibliography lists all publications by Henri Fontaine from 1954 to 2015. Out of 313 titles, he is sole or main author of 279 articles (with reference numbers from 20 to 298) and co-author of the remainder. These papers concern several countries, they treat several topics, and they are studies of material belonging to various ages. These data are summarized in the following.

In order to sustain national research and to develop local periodicals, these publications have appeared mainly in different bulletins published in Southeast Asia. Some of these bulletins have disappeared because of political events (Archives Géologiques du Viet Nam, Saigon. Bulletin de la Société des Etudes Indochinoises, Saigon. Travaux de Géologie, Hué). Other periodicals still exist; but more or less regularly.

All the research has been possible, on one hand thanks to the support of the Foreign Missions of Paris and temporarily the Ministry of the Foreign Affairs of France, on the other hand thanks to the cooperation of the Governments of Cambodia (General Department of Mineral Resources), China (Chinese Academy of Geological Sciences at Beijing, Institute of Petroleum Geology at Jiangling, Guangzhou Marine Geological Survey, Nanjing Institute of Geology and Palaeontology), Indonesia (Geological Research and Development Centre, Bandung), Korea (Korea Institute of Geology, Mining and Materials (KIGAM)), Malaysia (Minerals and Geoscience Department), Philippines (Bureau of Mines and Geosciences), Singapore (Specialist Services, Division of the Public Works Department), Thailand (Department of Mineral Resources, Chulalongkorn University, Mahidol

University, Suranaree University, Maharakham University) and Viet Nam (Geological Survey at Saigon, Department of Geology and Minerals, Petrovietnam, Universities of Hanoi and Hue, Institute of Archaeology). The first part of the research was carried out during the establishment and the development of the new Geological Survey in the Republic of Viet Nam (1955-1975), and then, within a research program sponsored by the Committee for Co-Ordination of Joint Prospecting for Mineral Resources in Asian Offshore Areas (CCOP) (1978-2002), which was an organisation of and sponsored by the United Nations (UN) before becoming intergovernmental.

In Cambodia, the research has partially been associated with a project concerning the development of the Battambang plain. The construction of a large hydroelectric dam was foreseen at Stung Sangker near Treng; moreover, the construction of a small dam near Banan (downstream of the large dam) was designed for the irrigation of the Battambang plain through a network of canals.

In Indonesia, Korea, Malaysia, Philippines, Singapore and Thailand, the research has consisted mainly of biostratigraphical studies within the framework of the CCOP pre-Tertiary programme. Many outcrops, dated only by lithological correlations in the past, have yielded various fossils in abundance. The study of these fossils has resulted in much more accurate ages, a better knowledge of depositional environments and a better stratigraphic correlation with other deposits in the world. The pre-Tertiary of Southeast Asia has turned out to be more attractive in the search for hydrocarbons; moreover, the studies have provided immediately important data to geologists preparing new geological maps.

In Viet Nam, the research has been associated directly or indirectly with economic development programmes: study of limestone in Ha Tien area of South Viet Nam before the construction of a cement factory, studies at and around the coal mine of Nong Son (Central Viet Nam), search for limestone near Hue and near Pleiku again for cement, study of thermomineral springs which might provide drinkable water and even possibly medicinal waters, search for bauxite in Bao Loc - Di Linh area, fieldtrip to a pyrite locality north of Di Linh (only pyrite cubes in black shale; there is a strong angular unconformity above this shale), search for pure limestone in order to produce calcium carbide, search for dolomite requested by rubber plantations or for barite requested by the authorities of Saigon harbour, improvement of clays for ceramics, study of beach sands. Systematic geological mapping was difficult because of political troubles. From 1968 to 1975, the search for oil was an important project involving the Geological Survey of the southern half of Viet Nam. During geological fieldworks in Viet Nam, archaeological sites were found serendipitously; they were the aim of some research after their discovery.

Some papers concern others countries: Afghanistan, France, Oman. Regarding Iran, two coral assemblages from Tabas area were studied but the publication is unknown (see reference number 289 below).

More than twenty thousands samples have been collected from the different countries of Southeast Asia. More than 20,000 thin sections have been prepared. In addition to that, a few specimens preserved in the collections of France, Switzerland and Great Britain have been studied.

The material from Viet Nam, Laos and Cambodia was deposited at the Geological Survey of the Republic of Viet Nam at Saigon (Ho Chi Minh City) before 1975. The prehistoric material is at the Historical Museum and Geological Survey at Saigon. Fossil woods and a few plant imprints are kept at the Laboratory of Paleobotany of the University of Paris VII. They have been studied by C. Vozenin-Serra in many publications. Some fossils (bivalves and ammonites) are in Japan; 22 species of Jurassic bivalves and 6 species of Jurassic ammonites have been described respectively by I. Hayami (1972) and T. Sato (1972). A few thin sections of Permian corals from Cambodia are at the British Museum. Some material collected by J. Gubler and studied by H. Fontaine (1961) was at the Geological Museum of the Sorbonne in the past; it is presently at the University of Paris VI. Other material of H. Mansuy, preserved at the "Ecole des Mines" of Paris, is now at the University of Lyon.

A great part of the material from Malaysia is at the Geological Survey in Ipoh. Coral samples from the Jurassic of Sarawak are at the National Museum of Natural History in Paris and a few samples of limestone from Sabah have been taken for study by Jean Philip, professor at the University of Marseilles.

A great part of the material from Thailand is at the Sirindhorn Museum in Sahat Sakha (Kalasin Province) in northeastern Thailand (most samples between numbers T2700 and T11477); many other samples are at the Department of Mineral Resources in Bangkok. Samples T5599 to T5612 from Ban Hua Krok, Khao Pang Sawong and Khao Somphot (Central Thailand) as well as a few other samples from diverse localities are stored at the Department of Palaeontology of Chulalongkorn University. Hundreds of thin sections (T10186 to T10864, T10734 to T10751 from Laos) are kept at the Palaeontological Research and Education Centre (Maharakham University). Jurassic corals studied by L. Beauvais are at the National Museum of Natural History in Paris. Other fossils are at the University of Lyon (studied by Y. Almeras), Poitiers (studied by J. P. Bassoulet and E. Cariou), Calgary (a few coral samples for study by Pedder), Salzburg (1 thin section of *Lanicula* from Loei area), Nancy (2 Jurassic corals from Ban Huai Ya U for study by Lathuiliere), Lille (studies of D. Vachard). Gastropods from Chon Daen area are in the US (identifications of Batten, American Museum of Natural History).

A Carboniferous solitary coral from the Alas River in northern Sumatra has been studied; the sample is at the Natural History Museum (London). A few coral specimens preserved at Basel (Switzerland) have also been examined; they were collected from Guguk Bulat in central Sumatra.

The material from China, Korea, Afghanistan and France consists of a moderate quantity of thin sections. It is mainly with H. Fontaine and subordinately with D. Vachard.

A vase (12.5 cm high) made of Permian limestone containing a fasciculate coral (*Pseudoluangia*) mentioned in the article with reference number 284 is kept at the Foreign Missions of Paris.

This complete bibliography includes the list of publications which has been prepared within the framework of the CCOP pre-Tertiary programme, in particular a pre-Tertiary sedimentary rocks database project supported by CONOCO in 1995, then within the framework of the International Geological Correlation Project (IGCP) 306 on stratigraphic correlation in Southeast Asia.

A greater part of these publications (periodicals or preprints), could be consulted at the Library of the Foreign Missions in Paris (128 Rue du Bac, 75007 Paris, France, tel.: +33 1 44 39 10 40). Some papers may be found on the websites of the CCOP, Asian Perspective, Journal of Asian Earth Sciences, Natural History Bulletin of Siam Society etc.

## 2. Bibliographical references with keywords

1 - Beauvais, L. and Fontaine, H. 1993. *Montlivaltia numismalis* (d'Orbigny), a Middle Jurassic coral newly found in West Thailand. Proceedings of the International Symposium on Biostratigraphy of mainland Southeast Asia, Facies & Palaeontology, Chiang Mai, Thailand, vol. 1, 63-69, 1 pl.

Keywords: Western Thailand, Ban Pha De (south of Mae Sot), *Montlivaltia*, Jurassic.

2 - Bunopas, S., Fontaine, H., Salyapongse, S. and Vachard, D. 1983. Permian paleogeography in Southeast Thailand evidenced by new discoveries. Journal of the Geological Society of Thailand 6(1), 17-21, 1 fig.

Keywords: Thailand, Sra Kaeo (= Sa Kaeo), Bang Phra Lake, Klaeng, Khao Klong Pun. Algae, foraminifera, brachiopods. Permian.

3 - Bunopas, S., Wasson, J. T., Vella, P., Fontaine, H., Hada, S., Burrett, C., Supajunya, T. and Khositantont, S. 1998. The Early Quaternary extraterrestrial collision with a whole comet in the Australasian tektite field, apparent evidences and discoveries from Thailand and East Asia. In: Teh, G.H. (Ed.), GEOSEA '98 9<sup>th</sup> Regional Congress on Geology, Mineral and Energy Resources of Southeast Asia, Kuala Lumpur, Malaysia. Bulletin of the Geological Society of Malaysia, Special publication 43, 555-575, 10 fig. Programmes and Abstracts, 191 - 192.

Keywords: Thailand, East Asia. Extraterrestrial collision, tektites. Quaternary.

4 - Bunopas, S., Wasson, J. T., Vella, P., Fontaine, H., Hada, S., Burrett, C., Supajunya, T. and Khositantont, S. 1999<sup>a</sup>. Catastrophic loess, mass mortality and forest fires suggest that a Pleistocene cometary impact in Thailand caused the Australian Tektite Field. Journal of the Geological Society of Thailand 1999(1), 1-17, 14 fig.

Keywords: Thailand. Loess, Cometary impact, megablast, tektites. Pleistocene.

5 - Bunopas, S., Wasson, J.T., Vella, P., Fontaine, H., Hada, S., Burrett, C., Supajunya, Th. and Khositantont, S. 1999<sup>b</sup>. Ancient Analogs of Alive Extinction of the Mastodons in Catastrophoess in Thailand, and of the Last Dinosaurs (in Eggs) in Gobi Desert: Further on Tektites. In: Khantaprab, Chaiyudh (Ed.), Symposium on Mineral, Energy, and Water Resources of Thailand: Towards the year 2000, Bangkok, Thailand, Session: Geology, 168-177, 2 tabl., 4 fig.

Keywords: Thailand, Gobi Desert. Burial alive extinction, catastrophoess, dinosaurs, tektites.

6 - Bunopas, S., Wasson, J. T., Vella, P., Fontaine, H., Hada, S., Burrett, C., Supajunya, T. and Khositantont, S. 1999<sup>c</sup>. The Early Quaternary global terrestrial impact of a whole comet in the Australasian tektite field, newest apparent evidences and discoveries from Thailand and East Asia. In: Teh, G.H. (Ed.), GEOSEA '98 9<sup>th</sup> Regional Congress on Geology, Mineral and Energy Resources of Southeast Asia, 17-19 August 1998, Kuala Lumpur, Malaysia. Bulletin of the Geological Society of Malaysia 43:555-575.

Keywords: Thailand, East Asia. Tektites, continental burns, mass extinction, radiometric dating. Quaternary.

7 - Bunopas, S., Vella, P., Hada S., Fontaine, H., Burrett, C., Haines, P., Khositantont, S. and Howard, K. T. 2001. Australasian tektites and catastrophic products enclosed in impact ejecta horizon from the Buntharik Impact Event in Thailand. Symposium on Rodinia, Gondwana and Asia, Osaka, Japan. Gondwana Research, vol. 4(4), 586.

Keywords : Thailand, Australasian tektites, Buntharik Impact.

8 - Bunopas, S., Vella, P., Fontaine, H., Hada, S., Burrett, C., Haines, P., Potisat, S., Wongwanich, Th., Chaodumrong, P., Howard, K. T. and Khositantont, S. 2002<sup>a</sup>. Growing of Asia in the Late Triassic Continent-Continent collision of Shan-Thai and Indochina against South China. In: Mantajit, N. (Ed.), Proceedings of the Symposium on Geology of Thailand. Bangkok, 129-135, 7 fig.

Keywords: Asia, China, Indochina, Thailand. Continental collision, tektites. Triassic.

9 - Bunopas, S., Vella, P., Hada, S., Fontaine, H., Burrett, C., Haines, P., Khositantont, S. and Howard, K. T. 2002<sup>b</sup>. Australasian tektites and catastrophic products enclosed in impact ejecta horizon from the Buntharik Impact Event in Thailand on old surface gravel beds marked real time Asian Quaternary correlation. In: Mantajit, N. (Ed.), Proceedings of the Symposium on Geology of Thailand. Bangkok, 181-187, 6 fig.

Keywords: Thailand, Buntharik. Tektites, catastrophic products, gravel beds. Quaternary.

10 - Bunopas S., Vella P., Fontaine H., Hada S., Burrett C., Haines P., Potisat S., Hinthong Ch., Wongwanich Th., Chaodamrong P., Howard K.T., Surincum A. and Khositantont S. 2002<sup>c</sup>. New epeirogenesis, rapid vertical uplifting

acme of Doi Inthanon in NW Thailand and late Himalayan extrusional continuum in the Lower to early Middle Pleistocene: An application of real-time layer. 4<sup>th</sup> Symposium of IGCP Project No. 411. Phitsanulok, Thailand, Program and Abstract, 110-119, 4 fig.

Keywords: Thailand, Lansang-Wang Chao, Doi Inthanon, Lam Thong, Lampang. Diachronism, diastrophism, catastroloess, uplifting, dating, Tektites. Diatomite. Neogene, Pleistocene.

11 - Bunopas, S., Vella, P., Fontaine, H., Hada, S., Burrett, C., Haines, P., Potisat S., Wongwanich, Th., Chaodamrong, P., Howard, K.T., Surincum, A. and Khositantont, S. 2002<sup>d</sup>. Shan-Thai and Indochina, Lower Paleozoic Gondwana derived Paired-Micro-continents growing Pangea by first continent-continent collision in late Norian with South China suffered second continent-continent collision of India to Asia. 4<sup>th</sup> Symposium of IGCP Project No. 411. Phitsanulok, Thailand, Program and Abstract, 120-133, 3 fig.

Keywords: Burma, Malaysia, Thailand, Indochina. Shan-Thai, Caning Basin, Gondwana, Bonaparte Gulf. Collisions, microcontinental tectonics, epeirogenesis. Mesozoic, Cenozoic.

12 - Bunopas, S., Vella, P., Fontaine, H., Hada, S., Burrett, C., Haines, P., Potisat, S., Wongwanich, Th., Chaodamrong, P., Howard, K.T. and Khositantont, S. 2003. The Khorat Plateau Early Quaternary vertically uplifting after long Cenozoic cratonization of the Mesozoic Khorat Group, its northeast tilting diverted Mae Khong River before the 0.8 Ma cometary impact catastroloess and the overflowing Mid-Pleistocene Burirum basalt. Proceedings of 1<sup>st</sup> International Conference on Palaeontology of Southeast Asia. Maharakham University Journal vol.22, special issue, 125-190, 21 fig.

Keywords: Thailand., Khorat, Mae Khong River. Cometary impact, catastroloess, basalt. Quaternary.

13 - Bunopas, S., Vella, P. Paul, Hada, S., Fontaine, H., Haines P., Peter W., Burrett, C. Khositamont, S. and Howard, K.T. 2004. Did Shan-Thai twice marry with Indochina and India ? Discovery Quaternary pushed-pulled Hymalayan extrusional continuum heritage to major vertical crustal uplifting Inthanon Epeirogenesis, that also tilted Khorat Plateau northeastwards diverting Mekong River from Tonle Sap prior to Buntharik Event, 0,8 ma Cometary Impact, Buriram Basalts, and Asian Glacial Age. International Symposium on the Geologic Evolution of East and Southeast Asia. Bangkok, Thailand, Abstracts, 19-22, 3 photos, 1 fig.

Keywords: Thailand, Shan-Thai, microcontinents, continent-continent collision, catastroloess, tektites.

14 - Bunopas, S., Vella, P., Fontaine, H., Hada, S., Burrett, C., Haines, P., Kieren, T., Howard, K.T., and Khositantont, S. 2005. Latest Pleistocene to early M. Pleistocene Inthanon Epeirogenesis, 2.0-0.65 Ma, in North Thailand connecting to late Himalayan extrusion continuum: An application of

extraterrestrial/terrestrial real-time layer of catastroloess from Buntharik Cometary Impact Event (new). Proceedings of the International Conference on Geology, Geotechnology and Mineral Resources of Indochina. GEOINDO 2005, Khon Kaen.

Keywords: Thailand. Epeirogenesis, catastroloess.

15 - Bunopas, S., Vella, P., Burrett, C., Fontaine, H., Hada, S., Haines, P., Khositantont, S., Chintasakul, P., Chaodamrong, P., Charusiri, P. and Howard, K. T. 2007. Australasian cometary impact, 0.8 Ma catastroloess buried alive Miocene, Pliocene faunas in Thailand and Central Australia, and tektite-bearing flood deposits in NE Thailand. New world's discovery extinction age in Thailand (Indochina), and Australia impact fields. In: Tantiwanit, Worawoot, Geothai 07 International Conference on Geology of Thailand: Towards Sustainable Development and Sufficiency Economy. Bangkok, 30-43, 15 fig.

Keywords: Thailand, Indochina, Australia. Tektites, catastroloess, mass extinction. Miocene.

16 - Caridroit, M. Vachard, D. and Fontaine, H., 1992. Datations par Radiolaires (Carbonifère, Permien et Trias) en Thaïlande nord-occidentale. Mise en évidence de nappes de charriage et d'olistostromes. (Radiolarian age datings (Carboniferous, Permian and Triassic) in NW Thailand. Evidence of nappes and olistostromes). *Compte-rendu de l'Académie des Sciences* 315, série II, 515-520, 1 fig. (in english and french). Paris.

Keywords: Northwest Thailand, Chiang Dao. Radiolarites. Devonian to Triassic.

17 - Chonglakmani, C. and Fontaine, H. 1990. The Lam Narai. Phetchabun region: a platform of Early Carboniferous to Late Permian age. Technical Conference on Development Geology for Thailand into the Year 2000, Bangkok, Abstracts, 71.

Keywords: Thailand, Noen Maprang-Chon Daen, Ban Tham Nan Bang, Khao Somphot. Corals, Foraminifera, fossil wood. Carboniferous, Permian.

18 - Espiritu, E. and Fontaine, H. 1978. Change in Holocene sea level in the Philippines. *CCOP Newsletter* 5(1-2), 23-24 and *CCOP Technical Publications* 20, 245-246 (see 180 below). Bangkok.

Keywords: Philippines, Sangat and Malajon Islands. Radiocarbon dating. Holocene.

19 - David, Pacita P. and Fontaine, H. 1985. Eocene limestone offshore Northeast Palawan Island. Proceedings of the 22<sup>nd</sup> CCOP Session, Guangzhou, China, part 2, Technical Report, 341-345, 1 table, 1 map.

Keywords: Philippines. Limestone, microfossils, algae, foraminifera. Eocene.

20 - Fontaine, H. 1954. Etude et révision des Tabulés et Héliolitidés du Dévonien d'Indochine et du Yunnan (Study and review of Devonian Tabulata and Heliolitidae from Indochina and Yunnan). *Archives Géologiques du Viet*

Nam 2, 86 p., 8 pl.. Saigon.

Keywords: Indochina, Viet Nam, Laos, Yunnan. Tabulata, Heliolitidae. Devonian.

21 - Fontaine, H. 1955<sup>a</sup>. Le genre *Amphipora* dans le Paléozoïque de l'Indochine et du Yunnan. (Genus *Amphipora* in the Palaeozoic of Indochina and Yunnan). Archives Géologiques du Viet Nam 3, 55-61, 1 pl. Saigon.

Keywords: Viet Nam, Laos, Yunnan. *Amphipora*. Middle Devonian.

22 - Fontaine, H. 1955<sup>b</sup>. Les Tabulés du Carbonifère et du Permien de l'Indochine et du Yunnan. (Carboniferous and Permian Tabulata from Indochina and Yunnan). Archives Géologiques du Viet Nam 3, 65-81, 5 pl.. Saigon.

Keywords: Viet Nam, Laos, Cambodia, Yunnan. Tabulata. Lower Carboniferous, Permian.

23 - Fontaine, H. and Mercier, Jean 1955<sup>c</sup>. Résultats d'une révision des Tabulés et Héliolitidés du Dévonien de l'Indochine et du Yunnan. (Results of a review of Tabulata and Heliolitidae from Indochina and Yunnan). Compte-rendu sommaire des Séances de la Société Géologique de France 5, 74-76.

Keywords: Indochina, Yunnan. Tabulata, Heliolitidae. Devonian.

24 - Fontaine, H. and Le, Van Hoi 1957<sup>a</sup>. Contribution à la connaissance de la flore des Iles Paracels. (Contribution to the knowledge of the flora of the Paracels Islands). Annales de la Faculté des Sciences de Saigon, 133-137.

Keywords: Viet Nam, Paracel Islands (Hoang Sa). Flora.

25 - Fontaine, H. 1957<sup>b</sup>. Les sources thermominérales du Viet Nam méridional. (Thermomineral springs of southern Viet Nam). Archives Géologiques du Viet Nam 4, 35-123, 9 maps. Saigon.

Keywords: South Viet Nam, Long Xuyen, Bien Hoa, Ba Ria, Binh Tuy, Phan Thiet, Phan Rang, Nha Trang, Tuy Hoa, Quang Ngai, Quang Nam, Kontum. Thermomineral springs.

26 - Fontaine, H., Bredillet, M. and Richard, C. 1958. Inventaire des sources thermales et minérales du Viet Nam du Sud. Les possibilités d'un thermalisme au Viet Nam méridional. (Inventory of the thermomineral springs of southern Viet Nam. Possible spas in southern Viet Nam). Annales Pharmaceutiques Française 16, 246-251.

Keywords: South Viet Nam. Thermomineral springs, spas.

27 - Fontaine, H. and Lemoine, M. 1960<sup>a</sup>. Présence d'algues calcaires dans certains facies à madréporaires du Paléozoïque du Cambodge, du Laos et du Viet Nam (note préliminaire). (Presence of calcareous algae in some Palaeozoic coral facies of Cambodia, Laos and Viet Nam. Preliminary note). Compte-rendu sommaire des Séances de la Société Géologique de France 2, 27-29.

Keywords: Viet Nam (Bac Son), Laos (Ban Phit, Nhommarat), Cambodia (Sisophon, Phnom Tauch, Phnom

Takream, Phnom Kraupeu). Algae, corals. Upper Visean, Sakmarian, Murgabian-Midian.

28 - Fontaine, H. 1960<sup>b</sup>. Découverte d'un gisement fossilifère Permien dans la Province de Quang Tri, région de Hué (Viet Nam). (Discovery of a fossiliferous Permian exposure in Quang Tri Province, Hue area, Viet Nam). Compte-rendu sommaire des Séances de la Société Géologique de France 7, 174.

Keywords: Viet Nam, Dong Ha, Quang Tri, Hue. Brachiopods, Pelecypods. Permian.

Note: The brachiopods collected from that locality were studied subsequently by Tran Thi Chi-Thuan 1962 and 16 species were described in: Annales de la Faculté des Sciences de Saigon, 485-498, 2 pl.

29 - Fontaine, H. 1961<sup>a</sup>. Les madréporaires paléozoïques du Viet Nam, du Laos et du Cambodge. (Palaeozoic corals of Viet Nam, Laos and Cambodia). Archives Géologiques du Viet Nam 5, 1-276, 35 pl. Saigon.

Keywords: Viet Nam (Bac Son, Cao Bang, Lai Chau, Lang Son, Thanh Hoa, Ha Tien...), Laos (Luang Prabang, Thakkek, Xieng Khouang...), Cambodia (Battambang, Sisophon, Treng, Pursat...), Thailand (Ban Muang). Corals. Devonian, Carboniferous, Permian.

30 - Fontaine, H. 1961<sup>b</sup>. Remarque sur la géologie de la province de Quang Nam, région de Tourane, Viet Nam). (Note on the geology of Quang Nam Province, Da Nang area, Viet Nam). Compte-rendu sommaire des Séances de la Société Géologique de France 4, 93-94.

Keywords: Central Viet Nam, Quang Nam, Tourane, Da Nang. Dolomitic limestone, limestones, pegmatites, peridotite.

31 - Fontaine, H. 1962<sup>a</sup>. Nouvelle note sur les sources thermominérales du Viet Nam méridional. (New note on the thermomineral springs of southern Viet Nam). Travaux de Géologie 1, 7-9. Hue.

Keywords: Viet Nam, Nha Trang, Dalat. Thermomineral springs, water radioactivity.

32 - Fontaine, H. 1962<sup>b</sup>. Les calcaires de la région de Hue. (The limestones of Hue area). Travaux de Géologie 1, 11-17. Hue.

Keywords: Viet Nam, Hue. Foraminifera. Upper Visean – Serpukhovian.

Note: E. Saurin 1964 described more than 50 species of foraminifera from Tan Lam in: Archives Géologiques du Viet Nam 6, 37-74, Saigon.

33 - Fontaine, H. 1962<sup>c</sup>. Géologie de la région d'An-Hoa. (Geology of An-Hoa area southwest of Da Nang). Travaux de Géologie 1, 23-31, 2 maps. Hue.

Keywords: Viet Nam, An Hoa, Da Nang, Thu Bon. Shale, sandstone, limestone, coal.

34 - Fontaine, H. 1962<sup>d</sup>. Gisements fossilifères du bassin houiller du Quang Nam (Centre du Viet Nam). (Fossilifer-

ous outcrops in Quang Nam coal basin). Travaux de Géologie 1, 33-52. Hue.

Keywords: Viet Nam, Quang Nam, Nong Son. Sandstone, shale, coal. Fossiliferous deposits. Hettangian, Sinemurian. Note: The collected fossils were studied subsequently by I. Hayami 1964 in: Japanese Journal of Geology and Geography 35, 163-174 (10 species of Lower Jurassic pelecypods,) and by C. Vozenin-Serra 1967 in: Archives Géologiques du Viet Nam 10, (Fossil woods from Ho Gia: *Ginkgoxylon quangnamense* n. sp.), 1968 in: Archives Géologiques du Viet Nam 11 (Fossil woods from Khe Vung Rua: *Araucarioxylon colanii* n. sp, *Brachioxylon brachyphylloides* (Torrey) Krausel, *Phyllocladoxylon vietnamense* n. sp.), 1970 in: Archives Géologiques du Viet Nam 13(2), 61-71 (Fossil wood from Khe Ring: *Protophyllocladoxylon parathylloides* n. sp.).

35 – Fontaine, H. 1962<sup>e</sup>. Nouveau nom pour le genre *Steinmannia* Waagen & Wentzel. (New name for Genus *Steinmannia*). Compte-rendu sommaire des Séances de la Société Géologique de France 7, 205. Keywords: Palaeontology, coral.

36 – Fontaine, H and Saurin E. 1962<sup>f</sup>. Compléments. Notice sur la feuille de Hué. (Complements to the explanatory note on Hue sheet, geological map of scale 1:500 000), pp. 29-51. Geographic Institute, Dalat. Keywords: Central Viet Nam, Hue. Geological map.

37 – Fontaine, H. 1962<sup>g</sup>. Compléments. Notice sur la feuille de Tourane. (Complements to the explanatory note on Da Nang sheet, geological map of scale 1:500 000) pp. 21-40. Geographic Institute, Dalat. Keywords: Central Viet Nam, Da Nang. Geological map.

38 – Fontaine, H. 1963<sup>a</sup>. Aménagement de la plaine de Battambang. Rapport final, pièce 3II Géologie. (Development of Battambang plain. Final report, document 3II Geology), 64 p., 10 maps. SOGREAH (R8500), Grenoble. Keywords: Cambodia, Battambang, Treng. Fossil woods. Note: Fossil woods collected in Treng area studied by C. Vozenin-Serra in: Archives Géologiques du Viet Nam 8, 1966.

39 – Fontaine, H. 1963<sup>b</sup>. Présence du terrain rouge dans la région de Treng, province de Battambang, Cambodge occidental. (Red beds in Treng area, Battambang Province, western Cambodia). Compte-rendu sommaire des Séances de la Société Géologique de France 8, 262-263. Keywords: Cambodia, Battambang, Treng.

40 – Fontaine, H. 1964<sup>a</sup>. Anciens niveaux marins dans la région de Ninh Hoa, province de Nha Trang. (Ancient sea levels in Ninh Hoa area, Nha Trang Province). Archives Géologiques du Viet Nam 6, 5-11. Saigon. Keywords: South Viet Nam, Ninh Hoa, Nha Trang. Marine terrace, massive and branching corals.

41 – Fontaine, H. 1964<sup>b</sup>. Présence de calcaire à Nong Son,

province de Quang Nam, Centre Viet Nam. (Limestone bed at Nong Son, Quang Nam Province, Central Viet Nam). Archives Géologiques du Viet Nam 6, 13-18. Saigon. Keywords: Central Viet Nam, Quang Nam, Nong Son. Limestone, coal seam.

42 – Fontaine, H and Nguyen, An Cu 1964<sup>c</sup>. Sources thermominérales du Centre Viet Nam. (Thermomineral springs in Central Viet Nam). Archives Géologiques du Viet Nam 6, 19-22. Saigon. Keywords: Central Viet Nam, Pleiku area, Ba Ngoi, Vinh Hao. Thermomineral springs.

43 – Fontaine, H. 1964<sup>d</sup>. Géologie des environs de Banan, province de Battambang, Cambodge occidental. (Geology of the vicinity of Banan, Battambang Province, Western Cambodia). Archives Géologiques du Viet Nam 6, 25-28. Saigon. Keywords: Cambodia, Battambang. Red beds, travertine, alluvium.

44 – Fontaine, H. 1964<sup>e</sup>. Calcaires de la région de Treng, province de Battambang, Cambodge occidental. (Limestones of Treng area, Battambang Province, Western Cambodia). Archives Géologiques du Viet Nam 6, 29-35. Saigon. Keywords: Cambodia, Treng, Battambang. Limestone. Foraminifers, corals. Permian.

45 – Fontaine, H. 1964<sup>f</sup>. Madréporaires paléozoïques du Viet Nam, du Cambodge, du Laos et du Yunnan. Nouvelles déterminations et notes bibliographiques. (Paleozoic corals of Viet Nam, Cambodia, Laos and Yunnan. New identifications and bibliographical notes). Archives Géologiques du Viet Nam 6, 75-90, pl. 8. Saigon. Keywords: Viet Nam (Yen Lac, Hai Phong, Quang Tri), Laos (Tran Ninh), Cambodia (Kompong Kol, Stung Kranhaung). Corals. Devonian, Lower Carboniferous, Permian (Murghabian-Midian).

46 - Fontaine, H. and Douvrin, P. 1964<sup>g</sup>. Prospection des calcaires, province de Hue. (Search for Limestone in Hue area). Archives Géologiques du Viet Nam 6, 93-105, 2 maps. Saigon. Keywords: Central Viet Nam, Hue, Long Tho, Thien Mu, Hiep Khanh. Limestone.

47 - Fontaine, H. 1965<sup>a</sup>. Remarques sur la géologie des districts de Van Ninh et Ninh Hoa, province de Nha Trang. (Note on the geology of Van Ninh and Ninh Hoa Districts, Nha Trang Province). Archives Géologiques du Viet Nam 7, 5-6. Saigon. Keywords: Viet Nam, Nha Trang, Hon Khoi Peninsula. Fossils.

48 - Fontaine, H. and Saurin, E. 1965<sup>b</sup>. Existence de granites et diorites post-liasiques au Sud Viet Nam. (Some granites and diorites are younger than Lower Jurassic in South Viet Nam). Archives Géologiques du Viet Nam 7,

7-10. Saigon.

Keywords: South Viet Nam, Ban Me Thuot, Ninh Hoa, Dinh Quan. Granite, diorite. Lias.

Note: This paper and the paper no. 53 below are the first step of a new research on Mesozoic granitic and sedimentary rocks, research which has led to the conclusion that many other rocks of southern Viet Nam previously assigned to Paleozoic, are actually Mesozoic in age (compare the Geological Maps of Viet Nam published before 1970 and in 1986).

49 - Fontaine, H. and Nguyen, An Cu 1965<sup>e</sup>. Note sur quelques eaux de la région de Nong Son, province de Quang Nam. (Note on some waters of Nong Son area, Quang Nam Province). Archives Géologiques du Viet Nam 7, 11-16. Saigon.

Keywords: Central Viet Nam, Song Thu Bon. Thermal and mineral springs, coal mine galleries.

50 - Fontaine, H. 1965<sup>d</sup>. Quelques observations sur le sous-sol de Phnom Penh. (Note on the subsoil of Phnom Penh). Archives Géologiques du Viet Nam 7, 17-19. Saigon.

Keywords: Cambodia, Phnom Penh. Drillholes, alluvium, rock basement, sandstone.

51 - Fontaine, H. 1965<sup>e</sup>. Mode particulier d'érosion dans les formations meubles. (Special type of erosion in loose ground). Archives Géologiques du Viet Nam 7, 34-37. Saigon.

Keywords: Cambodia, Treng area. Erosion, cylindrical holes.

52 - Fontaine, H. 1965<sup>f</sup>. Quelques Spongiaires du Permien Supérieur du Cambodge. (Some calcareous sponges from the Permian (Murgabian-Midian) of Cambodia). Archives Géologiques du Viet Nam 7, 39-42. Saigon.

Keywords: Cambodia, O Tannei, Phnom Takream, Phnom Tup. *Sollasia dussaulti*, *Haplistion*, *Coelocladia*. Permian.

53 - Fontaine, H. 1966<sup>a</sup>. Nouveau gisement d'ammonites sinémuriennes au Darlac, Viet Nam méridional. (New locality of Sinemurian ammonites in Darlac area, South Viet Nam). Archives Géologiques du Viet Nam 8, 5-7. Saigon.

Keywords: South Viet Nam, Darlac, Ban Me Thuot. Ammonites. Lower Jurassic.

54 - Fontaine, H. 1966<sup>b</sup>. Epibiontes et endobiontes des Tabulés dévoniens du Viet Nam et du Yunnan. (Epibionts and endobionts of Devonian Tabulata of Viet Nam and Yunnan). Archives Géologiques du Viet Nam 8, 9-13, 1 pl. Saigon.

Keywords: Viet Nam, China. Tabulata. Devonian.

55 - Fontaine, H. 1966<sup>c</sup>. Présence du genre *Solipetra* (Tetracoralliaire) dans le Givétien du Yunnan. (Presence of Genus *Solipetra* (Tetracorallia) in the Givetian of Yunnan). Compte-rendu sommaire des Séances de la Société Géologique de France 2, 86.

Keywords: China, Yunnan. Tetracorallia. Devonian.

56 - Fontaine, H. 1966<sup>d</sup>. Découverte de tectites sans formes figurées dans la province de Bien Hoa. (Discovery of tektites without shape in Bien Hoa Province). Archives Géologiques du Viet Nam 9, 3-4, 1 pl. Saigon.

Keywords: South Viet Nam, Bien Hoa, Ben San. Tektites. Note: Large fragments of tektites reaching 1,780 kilogram in weight.

57 - Fontaine, H. 1966<sup>e</sup>. Quelques madréporaires dévoniens du Musée du Service Géologique de Saigon. (Some Devonian corals stored at the Museum of the Geological Survey of Saigon). Archives Géologiques du Viet Nam 9, 51-95, pl.1-16. Saigon.

Keywords: Viet Nam, Ha Noi, China, Yunnan. Railway. Corals. Devonian.

58 - Fontaine, H. 1967<sup>a</sup>. Le Dévonien du Cambodge, du Laos et du Viet Nam. (Devonian of Cambodia, Laos and Viet Nam). International Symposium on the Devonian System 1, 569-581. Calgary.

Keywords: Cambodia, Laos, Viet Nam. Devonian.

59 - Fontaine, H. 1967<sup>b</sup>. Note sur l'Archipel de Tho-Chau. (Note on Tho-Chau Archipelago). Archives Géologiques du Viet Nam 10, 17-23, 1 pl. Saigon.

Keywords: South Viet Nam, Tho Chau Archipelago. Fossil woods.

Note: These fossil woods collected from that archipelago (formally called Poulo Panjang) were studied by C. Vozenin-Serra in: Archives Géologiques du Viet Nam 12, 1969).

60 - Fontaine, H. 1967<sup>c</sup>. *Actinostroma* et *Trupetostroma* (Stromatoporoides) dans les collections du Service Géologique de Saigon. (*Actinostroma* and *Trupetostroma* (Stromatoporoids) in the collections of Geological Survey of Saigon). Archives Géologiques du Viet Nam 10, 77-85, pl. 4-6. Saigon.

Keywords: Viet Nam (Tre Nua), China (Yunnan). Stromatoporoids. Devonian.

61 - Fontaine, H. 1967<sup>d</sup>. Quelques madréporaires Permien du Viet Nam et du Cambodge. (Some Permian corals from Viet Nam and Cambodia). Archives Géologiques du Viet Nam 10, 51-58, 3 pl. Saigon.

Keywords: Viet Nam; Cambodia. Corals. Permian.

62 - Fontaine, H. and Tran, T. Chi-Thuan 1968<sup>a</sup>. Note sur la province de Quang Tri et description de quelques brachiopodes. (Note on Quang Tri Province with a description of a few brachiopods). Archives Géologiques du Viet Nam 11, 93-100, pl. 6. Saigon.

Keywords: Central Viet Nam, Quang Tri. Brachiopods. Late Devonian.

63 - Fontaine, H. 1968<sup>b</sup>. Note sur le Golfe de Thaïlande. (Note on the Gulf of Thailand). Archives Géologiques du Viet Nam 11, 119-147, 4 pl. Saigon.

Keywords: South Viet Nam, Gulf of Thailand. Geology. 64 - Fontaine, H. 1968<sup>e</sup>. Note sur l'île Hon Nghe. (Note on Hon Nghe Island). Archives Géologiques du Viet Nam 11, 157-162, 2 pl. Saigon.

Keywords: South Viet Nam, Gulf of Thailand, Hon Nghe Island. Limestone. Triassic.

Note: The limestone samples which were collected yielded no diagnostic fossil; since then, Triassic foraminifers have been found.

65 - Fontaine, H., Tran, H. A., Faure, C. and Tran, T. N. B. 1968<sup>d</sup>. Note sur les îles situées entre Phu Quoc et Hon Nghe. (Note on the islands located between Phu Quoc and Hon Nghe). Archives Géologiques du Viet Nam 11, 179-187, 2 pl. Saigon.

Keywords: South Viet Nam, Gulf of Thailand, Phu Quoc, Hon Nghe. Limestone. Carboniferous, Permian.

Note: Samples of a limestone conglomerate from Hon Tre Lon (Pirates Archipelago) contained foraminifers which were studied by Saurin E. 1971 the matrix yielded Permian foraminifers whereas the pebbles contained Serpukhovian-Bashkirian foraminifers in: Archives Géologiques du Viet Nam 14, 129-134.

66 - Fontaine, H. 1968<sup>e</sup>. Presence du Genre *Akagophyllum* (polypier) dans le Permien Inférieur du Nord Viet Nam. (The coral *Akagophyllum* found in the Lower Permian of North Viet Nam). Compte-rendu sommaire des Séances de la Société Géologique de France 7, 228-229.

Keywords: North Viet Nam, Muong The. Coral. Sakmarian.

67 - Fontaine, H. 1969<sup>a</sup>. Découverte de gisements fossilifères dans la région de Bien Hoa (Viet Nam). (Discovery of fossiliferous outcrops in Bien Hoa area, Viet Nam). Compte-rendu sommaire des Séances de la Société Géologique de France 3, 68-69.

Keywords: South Viet Nam, Bien Hoa. Pelecypods, Ammonites. Lower Jurassic.

Note: The collected fossils were studied by Hayami I. 1972 (in: Geology and Palaeontology of Southeast Asia 10, 179-230) who described 21 species of pelecypods and by Sato T. 1972 (in: Geology and Palaeontology of Southeast Asia 10, 231-242) who described ammonites.

68 - Fontaine, H. 1969<sup>b</sup>. Note sur quelques Tétracoralliaires du Permien supérieur de Nui Com, région de Ha Tien, Sud Viet Nam. (Note on some Permian corals from Nui Com, Ha Tien area, South Viet Nam). Archives Géologiques du Viet Nam 12, 43-48, 3 pl. Saigon.

Keywords: South Viet Nam, Ha Tien. Corals. Murghabian-Midian.

69 - Fontaine, H. 1969<sup>c</sup>. Remarque sur Phu Quoc et l'Archipel d'An Thoi. (Note on Phu Quoc and An Thoi Archipelago, Gulf of Thailand). Archives Géologiques du Viet Nam 12, 109-115. Saigon.

Keywords: South Viet Nam, Phu quoc, An Thoi Archipelago, Gulf of Thailand. Sandstones, conglomerates. Mesozoic.

70 - Fontaine, H. 1969<sup>d</sup>. Note sur les îles Ba Lua, Da Lua, Rê, Mong-Tay et Hon-Son (Golfe de Thaïlande). (Note on some islands of the Gulf of Thailand: Ba Lua, Da Lua, Rê, Mong-Tay and Hon-Son). Archives Géologiques du Viet Nam 12, 157-175, 6 pl. Saigon.

Keywords: Viet Nam, Islands, Gulf of Thailand. Siliceous rocks, shale, sandstone, limestone. Algae, Crinoids, Fusulinids, Bryozoans.

71 - Fontaine, H. and Faure, C. 1969<sup>e</sup>. Géochronologie du Viet Nam méridional. (Geochronology of South Viet Nam). Archives Géologiques du Viet Nam 12, 213-222. Saigon. Keywords: Viet Nam, Ba Ngoi, Cam Ranh, Hon Khoai, Cam Ly, Dak To. Geochronology, basalts, tektites, granite, granodiorite, prehistoric sites, marine terraces. Jurassic, Quaternary.

72 - Fontaine, H. 1969<sup>f</sup>. Sources thermales et minérales du Sud Viet Nam. (Thermal and mineral springs of South Viet Nam). International Geology Congress, Czechoslovakia, Proceedings of Symposium 2: Mineral and thermal waters of the world, part B, Oversea countries, 63-68. Academy, Prague.

Keywords: Viet Nam. Thermal and mineral springs.

73 - Fontaine, H. and Saurin, E. 1970<sup>a</sup>. Couche coquillière dans le sous-sol de la ville de Hue, Viet Nam. (Shell bed found in the subsoil of the town of Hue). Compte-rendu sommaire des Séances de la Société Géologique de France 5, 153-154. Paris.

Keywords: Viet Nam, Hue. Shell beds, Pelecypods, Gastropods. Quaternary.

Note: Shell bed found in Quaternary sediments by boreholes at a depth of 8 to 10 m under the town of Hue.

74 - Fontaine, H. 1970<sup>b</sup>. Découverte d'une nouvelle station néolithique dans la province de Bien Hoa. (Discovery of a neolithic site in Bien Hoa Province). Archives Géologiques du Viet Nam 13(2), 87-101, 5 pl. Saigon.

Keywords: Viet Nam, Bien Hoa, Phuoc Tan Leprosarium. Artifacts. Neolithic.

Note: Great number of polished axes and adzes commonly with shoulders, polishing stones, potsherds, etc.

75 - Fontaine, H. 1970<sup>c</sup>. Note sur les régions de Ha Tien et de Hon Chong. (Note on Ha Tien and Hon Chong areas). Archives Géologiques du Viet Nam 13(2), 113-129, 3 pl. Saigon.

Keywords: South Viet Nam, Gulf of Thailand, Ha Tien, Hon Chong. Siliceous rocks, shale, sandstone, limestone. Permian.

76 - Fontaine, H., Chevalier J. P., Delibrias, G. and Saurin, E. 1970<sup>d</sup>. Trace d'un ancien rivage marin à Cai Lay, Sud Viet Nam. (Trace of an ancient seashore at Cai Lay, South Viet Nam). Archives Géologiques du Viet Nam 13(2), 147-154. Saigon.

Keywords: Viet Nam, Cai Lay. C14 dating (4,550 years

B.C.). Pelecypods, gastropods, corals, foraminifers.

77 - Fontaine, H. 1971<sup>a</sup>. Renseignements nouveaux sur la céramique du champ de jarres funéraires de Dâu Giây. (New data on the ceramics from the funerary jars field of Dâu Giây). Bulletin des Etudes Indochinoises n. s., 46(3), 323-336,5 pl. Saigon.

Keywords: South Viet Nam, Dau Giay. Funeral jars, potshards, artifacts

78 - Fontaine, H. 1971<sup>b</sup>. Carte Géologique du Cambodge, du Laos et du Viet Nam au 1/2.000.000, 3ème édition, revue pour la partie au sud du 17ème parallèle. (Geological map of Cambodia, Laos and Viet Nam of scale 1/2,000,000, 3d edition). Geographic Institute, Dalat.

Keywords: Geological map, Cambodia, Laos, Viet Nam.

79 - Fontaine, H. 1971<sup>c</sup>. Enquête sur le Néolithique du bassin inférieur du Dong Nai. (Investigation on the Neolithic of the lower part of Dong Nai drainage basin). Archives Géologiques du Viet Nam 14, 47-116, 6 pl. Saigon.

Keywords: Viet Nam, Dong Nai basin, Saigon, Phuoc Tan, Ngai Thang, Cu lao Rua, Ben Do, etc. Artifacts. Neolithic.

80 - Fontaine, H. 1971<sup>d</sup>. Dépôts coquilliers du delta du Mekong. (Shell accumulations in Mekong Delta). Archives Géologiques du Viet Nam 14, 135-141. Saigon.

Keywords: Viet Nam, Mekong Delta, Nui Choc, Cho So Vo, Giong Da, Ban Tan Dinh, Nui Chua Hang. C14 dating.

81 - Fontaine, H. and Hoang, T. T. 1971<sup>e</sup>. Alluvions anciennes du Nam Phôn septentrional. (Ancient alluvium of the northern part of South Viet Nam). Archives Géologiques du Viet Nam 14, 145-168, 4 pl. Saigon.

Keywords: Viet Nam. Geomorphology, clays, kaolin, laterite, basalt, tektites, fossil woods. Quaternary.

Note: About 60 samples of fossil woods collected near Binh Thang (Bien Hoa) of which 12 species have been identified by C. Vozenin-Serra and Privé-Gill C. 1994 (in: Palaeontographica, vol. 232/B, 175-195). They belong to gymnosperms (5 species) and dicotyledons (7 species).

82 - Fontaine, H. 1971<sup>f</sup>. Présence de calcaire dans les environs de Cam Lo (Province de Quang Tri). (Limestone in the vicinity of Cam Lo, Quang Tri Province). Archives Géologiques du Viet Nam 14, 177-179. Saigon.

Keywords: Central Viet Nam, Cam Lo, Quang Tri. Limestone.

83 - Fontaine, H. 1972<sup>a</sup>. Nouveau champ de jarres dans la province de Long Khanh. (New area with burial jars in Long Khanh Province). Bulletin des Etudes Indochinoises, n. s., 47(3), 397-486, 10 pl. Saigon.

Keywords: South Viet Nam, Long Khanh, Phu Hoa. Burial jars, prehistoric artifacts, C14 dating.

84 - Fontaine, H. 1972<sup>b</sup>. Publications du Service Géologique de Saigon. (Publications of the Geological Survey at Saigon). Bulletin des Etudes Indochinoises, n. s., 47(3), 523-537. Saigon.

Keywords: South Viet Nam, Saigon. Geological Survey, bibliography.

85 - Fontaine, H. 1972<sup>c</sup>. Extension des calcaires permien dans la partie orientale du Golfe de Thaïlande. (Extension of the Permian limestones of the eastern part of the Gulf of Thailand). Compte-rendu sommaire des Séances de la Société Géologique de France 5, 207-208. Paris.

Keywords: South Viet Nam, Gulf of Thailand. Limestone. Permian.

86 - Fontaine, H. 1972<sup>d</sup>. Remarque sur des formations littorales quaternaires du Centre Viet Nam méridional. (Note on Quaternary exposures along seashore in Central Viet Nam). Archives Géologiques du Viet Nam 15, 73-104, 4 pl. Saigon.

Keywords: Viet Nam, Phan Thiet area, Song Luy, Song Long Song, Vinh Hao, Cana, Phan Rang, Nha Trang Bay, Hon Khoi Peninsula. White sands, marine terraces. Quaternary.

87 - Fontaine, H. 1972<sup>e</sup>. Deuxième note sur le Néolithique du bassin inférieur du Dong Nai. Carbone 14 et préhistoire vietnamienne. (Second note on the Neolithic of the lower part of Dong Nai drainage basin. C14 and Vietnamese prehistory). Archives Géologiques du Viet Nam 15, 123-129 1 pl. Saigon.

Keywords: Viet Nam, Phuoc Tan, Ben Do, Hoi Son, Ngai Thang, Cu lao Rua, Rach Nui. C14 dating, prehistoric artifacts. Neolithic.

88 - Fontaine, H. 1972<sup>f</sup>. Remarque sur la province de Quang Duc. (Note on Quang Duc Province). Archives Géologiques du Viet Nam 15, 133-138, 1 pl. Saigon.

Keywords: Viet Nam, Quang Duc, Khiem Duc, Kien Duc, Gia Nghia. Basalts, granite, shale, tektites, prehistoric artifacts. Neolithic (?).

89 - Fontaine, H., Bui, K. H., Hoang, T. T., Vo, V. P. D. and Le, Y. S. 1972<sup>g</sup>. Eau minérale dans les environs de Phuoc Le. Remarque sur la géologie de cette région. (Note on mineral water in the vicinity of Phuoc Le. Remark on the geology of this area). Archives Géologiques du Viet Nam 15, 145-148. Saigon.

Keywords: South Viet Nam, Phuoc Le. Mineral water, geology, granite.

Note: Artesian water found when drilling into granite 10 km NNE of Phuoc Le.

90 - Fontaine, H. and Nguyen, The Anh 1972<sup>h</sup>. Périodiques et collections du Viet Nam intéressant le géologue. (Periodicals and ancient collections of Viet Nam interesting geologist). Archives Géologiques du Viet Nam 15, 149-160. Saigon.

Keywords: Viet Nam, Indochina, Hue. Archives, bibliography, geology, geography, prehistory, history, economy.

91 - Fontaine, H. and Hoang, T. T. 1972<sup>i</sup>. Carte géologique

au 1/25000: feuilles de Bien Hoa et Phu Cuong. (Geological map of scale 1/25000, Bien Hoa and Phu Cuong sheets). Institut Géographique, Dalat.

Keywords: Viet Nam, Bien Hoa, Phu Cuong. Geological map.

92 - Fontaine, H. 1973<sup>a</sup>. Présence de chromite indiquant un important transit des sables littoraux du Viet Nam. (Chromite in beach sand along seashore in Hue Province indicates an important transport of littoral sands in the northern part of Central Viet Nam). *Compte-rendu sommaire des Séances de la Société Géologique de France* 2, 63-64. Paris.

Keywords: Viet Nam, Hue. Chromite, beach sand.

93 - Fontaine, H. 1973<sup>b</sup>. Le musée du Service Géologique de la République du Viet Nam. (Geological Museum of Saigon). *Bulletin des Etudes Indochinoises*, nouvelle série, 48(4), 615-617. Saigon.

Keywords: South Viet Nam, Saigon (Ho Chi Minh City). Geological Museum.

94 - Fontaine, H. 1973<sup>c</sup>. Note sur la découverte de perles au site de Dâu Giây. (Discovery of prehistoric beads at Dâu Giây). *Bulletin des Etudes Indochinoises*, n. s., 48 (4), 619-620. Saigon.

Keywords: Viet Nam, Dâu Giây (province of Long Khanh). Potshards, beads, cornaline.

95 - Fontaine, H. and Délibrias, G. 1973<sup>d</sup>. Ancient marine levels of the Quaternary in Viet Nam. *Journal of the Hong Kong Archaeological Society* 4, 29-33. Hong Kong. (Translation by W. Meacham, footnote, p.29).

Keywords: Viet Nam, Phan Rang, Nha Trang, Ninh Hoa. Marine levels. Quaternary.

96 - Fontaine, H. 1973<sup>e</sup>. Bibliographie des sciences de la terre pour le Viet Nam, le Laos et le Cambodge. (Bibliography of Earth Sciences for Viet Nam, Laos and Cambodia). *Archives Géologiques du Viet Nam* 16, 186 p. Saigon.

Keywords: Cambodia, Laos, Viet Nam. Bibliography, earth sciences.

Note: List of more than two thousands references, from 1852 to 1973.

97 - Fontaine, H., Lasserre, M. and Saurin, E. 1974<sup>a</sup>. Géochronologie du Sud Viet Nam. (Radiometric datings in South Viet Nam). *Archives Géologiques du Viet Nam* 17, 17-34. Saigon.

Keywords: South Viet Nam. Radiometric dating, granodiorite, diorite, granite.

98 - Fontaine, H. and Délibrias, G. 1974<sup>b</sup>. Niveaux marins pendant le Quaternaire au Viet Nam. (Quaternary sea levels in Viet Nam). *Archives Géologiques du Viet Nam* 17, 35-44. Saigon.

Keywords: South Viet Nam. Quaternary sea levels, C14 dating. Pleistocene, Holocene.

99 - Fontaine, H. 1974<sup>c</sup>. Note sur la géologie de la région de Bien Hoa. (Note on the geology of Bien Hoa area). *Archives Géologiques du Viet Nam* 17, 45-55, 1 map. Saigon.

Keywords: South Viet Nam, Bien Hoa. Lamellibranches, ammonites, gastropods, brachiopods, nautiloids. Toarcian.

100 - Fontaine, H. and Hoang, T. T. 1975<sup>a</sup>. Nouvelle note sur le champ de jarres funéraires de Phu Hoa, avec une remarque sur la crémation au Viet Nam. (New data on the burial jars area of Phu Hoa with a note on cremation in Viet Nam). *Bulletin des Etudes Indochinoises*, n. s., 50(1), 7-73, 6 pl. Saigon.

Keywords: South Viet Nam, Province of Long Khanh, Phu Hoa. Burial jars, potshards, artifacts, cremation.

101 - Fontaine, H. 1975<sup>b</sup>. Nouvelles récoltes d'objets préhistoriques. (Prehistoric artifacts newly collected). *Bulletin des Etudes Indochinoises*, n. s., 50(1), 75-136, 8 pl. Saigon.

Keywords: South Viet Nam, Phuoc Tan, Ben Do, Cu-lao Rua, etc. Prehistory, artifacts.

102 - Fontaine, H. 1976. Tectites du Viet Nam méridional: répartition géographique, richesse des gisements. (Tektites of southern Viet Nam: geographic distribution, rate of occurrence). *Compte-rendu Sommaire des Séances de la Société Géologique de France* 2, 37-39. Paris.

Keywords: South Viet Nam. Tektites.

103 - Fontaine, H. and Vozenin-Serra, C. 1977<sup>a</sup>. Données nouvelles sur le Tertiaire du plateau de Djiring, Viet Nam. (New data on the Tertiary of Djiring Plateau). *Compte-rendu de l'Académie des Sciences* 284, 1049-1052. Paris.

Keywords: South Viet Nam, Blao, Djiring. Palynological material, fossil woods. Palaeocene, Neogene.

104 - Fontaine, H., Montenat, C., Termier, G. and Vachard, D.. 1977<sup>b</sup>. Le Carbonifère en Afghanistan. Problèmes biostratigraphiques et paléogéographiques. 5<sup>ème</sup> Réunion annuelle (Carboniferous in Afghanistan. Biostratigraphic and Paleogeographic Problems. 5th annual meeting). Rennes (France).

Keywords: Afghanistan. Biostratigraphy, paleogeography. Carboniferous.

105 - Fontaine, H. 1977<sup>c</sup>. Découverte du Genre *Iowaphyllum* (Tétracoralliaire) dans un biostrome éodévonien du Cotentin, France. (Discovery of Genus *Iowaphyllum* (coral) in a Lower Devonian biostrome of western Normandy, France). *Geobios* 10(3), 471-477, 1 pl. Lyon.

Keywords: France, Normandy. Biostrome, Tetracorallia. Lower Devonian.

106 - Fontaine, H. 1977<sup>d</sup>. Les Missions Etrangères et la géologie du Viet Nam: 125<sup>ème</sup> anniversaire. (The Foreign Missions and the geology of Viet Nam: 125<sup>th</sup> anniversary). *Echos de la Rue du Bac* 109, 210-212. Paris.

Keywords: Charles Just Arnoux, the Foreign Missions,

history of the geological research in Viet Nam. Biography. Note: The first publication on the geology of Viet Nam dates as early as 1854; it is due to a member of the Foreign Missions of Paris.

107 - Fontaine, H. and Semenoff-Tian-Chansky, P. 1977<sup>e</sup>. Aperçu sur les coraux du Carbonifère de l'Hazarajat et des autres régions d'Afghanistan. (Glimpse of Carboniferous corals of Afghanistan). Compte-rendu sommaire des Séances de la Société Géologique de France 4, 235-237. Paris.

Keywords: Afghanistan, Koh-e Top, Koh-e Takhtakay, Koh-e Qotum, Sultali valley, Kadjao, Dacht-e Kotub. Corals. Tournasian, Bashkirian.

108 - Fontaine, H. 1978<sup>a</sup>. Preliminary notes on a pre-Tertiary geological study of the Philippines. CCOP Newsletters 5(1-2), 22-23 and CCOP Technical Publications 20, 243-244 (see n°180 below). Bangkok.

Keywords: Philippines, Coron Island, Seven Brothers, Sangat Island, Malajon Island, Busuanga Island. Limestone. Palaeozoic.

109 - Fontaine, H. and Workman, D. R. 1978<sup>b</sup>. Review of the geology and mineral resources of Cambodia, Laos and Viet Nam. In: Nutalaya, P., Proceedings of the 3rd Regional Conference on Geology and Mineral Resources of Southeast Asia, Bangkok, 539-603, 19 fig.

Keywords: Cambodia, Laos, Viet Nam. Stratigraphy, geological structure, igneous rocks, mineral deposits.

110 - Fontaine, H. 1978<sup>c</sup>. Note on the Jurassic in the Philippines. CCOP Newsletter 5(3), 9-11, 1 fig. and CCOP Technical Publications 20, 257-260 (see n°180 below). Bangkok.

Keywords: Philippines, South Mindoro, Bongabong, Siange Rivers. Jurassic.

111 - Fontaine, H. 1978<sup>d</sup>. Note on the Cretaceous in Korea. CCOP Newsletter 5(4), 13-20 and CCOP Technical Publications 20, 69-80 (see n°180 below). Bangkok.

Keywords: Korea. Division, formation, Tshushima basin. Cretaceous

112 - Fontaine, H., Beauvais, L., Poumot, C. and Vachard, D. 1979<sup>a</sup>. Données nouvelles sur le Mésozoïque de l'Ouest des Philippines. Découverte de Rhétien marin. (New data on the Mesozoic of the Western Philippines. Discovery of marine Rhaetian). Compte-rendu sommaire des Séances de la Société Géologique de France 3, 117-121. Paris.

Keywords: Philippines, Mindoro, Calamian Islands. Black shale. Foraminifers, algae. Triassic.

113 - Fontaine, H. 1979<sup>b</sup>. Note on the geology of the Calamian Islands, North Palawan, Philippines. CCOP Newsletter 6(2), 40-47 and CCOP Technical Publications 20, 247-256 (see n°180 below). Bangkok.

Keywords: Philippines, Islands: Busuanga, Coron, Culion, Linapacan.

114 - Fontaine, H.,- Songsirikul, B. and Tansuwan, V. 1979<sup>c</sup>. A massive colony of Waagenophyllid from southern peninsular Thailand. CCOP Newsletter 6(3), 14-18; CCOP Technical Publications 20, 361-365 (see n°180 below). Bangkok.

Keywords: Southern Thailand, Ko Ma. Coral, *Wentzelella megastomata* n.sp. Permian.

115 - Fontaine, H. and Vachard, D. 1979<sup>d</sup>. Note on the Carboniferous of the Republic of Korea. CCOP Newsletter 6(4), 17-24 and CCOP Technical Publications 20, 61-68 (see n°180 below).

Keywords: Korea, Gohan, Danyang. Foraminifers, corals. Bashkirian-Moscovian.

116 - Fontaine, H. 1979<sup>e</sup>. A note on the Iron Age in southern Viet Nam. Journal of the Hong Kong Archaeological Society 8, 91-98.

Keywords: South Viet Nam, Dau Giay, Phu Hoa, Sa Huynh, Hoa Vinh. Archaeology. Iron Age.

117 - Fontaine, H. 1980<sup>a</sup>. *Sychnoelasma urbanowitschi* Stuckenber, espèce corallienne du Carbonifère de Normandie, de la Sarthe et du Morvan. (*Sychnoelasma urbanowitschi*, coral species from Carboniferous limestones of western (Normandy and Sarthe) and eastern (Morvan) France). Bulletin de la Société d'Histoire Naturelle d'Autun 95, 19-26. France.

Keywords: France, Normandy, Sarth, Morvan. Corals. Early Viséan.

118 - Fontaine, H. and Poumot, C. 1980<sup>b</sup>. The Cretaceous of South Korea: New data from palaeontology and geochemistry. CCOP Newsletter 7(4), 16-20 and CCOP Technical Publications 20, 81-87 (see n°180 below), Bangkok.

Keywords: South Korea, Kyongsang, Hasandong, Jindong, Jinju, Nakdong, Chang Myeong, Mokpo, U Hang Ri. Palaeontology, geochemistry. Cretaceous.

119 - Fontaine, H., and Mainguy M. 1980<sup>c</sup>. Pre-Tertiary hydrocarbon potential of the South China Sea. Proceedings of the 17<sup>th</sup> CCOP Session, 304-321, Bangkok and Energy 6(11), 1165-1177. Pergamon, Oxford.

Keywords: Southeast Asia, South China Sea. Hydrocarbon. Pre-Tertiary.

120 - Fontaine, H. and Vachard D. 1981<sup>a</sup>. A note on the discovery of Lower Carboniferous (Middle Viséan) in Central Sumatra. CCOP Newsletter 8(1), 14-18 and CCOP Technical Publications 20, 35-41 (see n°180 below), Bangkok.

Keywords: Indonesia, Central Sumatra (Agam River between Bukit Tinggi and Payakumbuh). Lower Carboniferous.

121 - Fontaine, H. and Vachard D. 1981<sup>b</sup>. Découverte de microfaunes scytho-anisiennes au Sud-Est de Bangkok. Conséquences paléogéographiques. (Discovery of Triassic-Scytho-Anisian-microfauna southeast of Bangkok. Paleo-

geographic implications). *Compte-rendu sommaire des Séances de la Société Géologique de France* 2, 63-66. Paris.

Keywords: Thailand, Bangkok, Klaeng area. Microfauna. Triassic.

122 - Fontaine, H. 1981<sup>c</sup>. Research on the Cretaceous in the Republic of Korea since 1978. *CCOP Newsletter* 8(2), 18-21 and *CCOP Technical Publications*, 20, 89-94 (see n° 180 below).

Keywords: South Korea, Kyongsang basin, Haenam-Mokpo area. Literature. Cretaceous.

123 - Fontaine, H., and Vachard, D. 1981<sup>d</sup>. Carboniferous stratigraphy of the Indochinese Peninsula. *Proceedings of the 18<sup>th</sup> CCOP Session*, 186-200. Bangkok.

Keywords: Cambodia, Laos, Viet Nam. Stratigraphy, limestone. Carboniferous.

124 - Fontaine, H. 1981<sup>e</sup>. Progress report on the Cretaceous in Korea. *Proceedings of the 18<sup>th</sup> CCOP Session*, 208-215. Seoul.

Keywords: Korea, Jinju, Ulsan, Kyongju, Daegu, Eui-seong. Cretaceous.

125 - Fontaine, H. 1981<sup>f</sup>. Progress report on the pre-Tertiary study. *Proceedings of the 18<sup>th</sup> CCOP Session*, 171-185. Bangkok.

Keywords: Indonesia, Philippines, Thailand. Limestone. Devonian, Carboniferous, Triassic, Jurassic, Cretaceous, Tertiary.

126 - Fontaine, H., Poumot, C. and Songsirikul, B. 1981<sup>g</sup>. New Upper Palaeozoic formations of Northeast Thailand in Devonian and Lower Carboniferous. *CCOP Newsletter* 8(4), 1-7, with 4 fig., 1 table and *CCOP Technical Publications* 20, 289-296 (see n° 180 below). Bangkok.

Keywords: Northeast Thailand. Devonian, Lower Carboniferous.

127 - Fontaine, H. 1982<sup>a</sup>. Edmond Saurin (1904-1977). *Asian Perspective*, 23(1), 1-8. University of Hawaii Press, Honolulu.

Keywords: France, Yunnan, Cambodia, Laos, Viet Nam. Biography, geologist, prehistorian,

128 - Fontaine, H. 1982<sup>b</sup>. On the extent of the Sa Huynh Culture in continental Southeast Asia. *Asian Perspective* 23(1), 67-69. Honolulu.

Keywords: Southeast Asia, Thailand (Uthong), Viet Nam (Tam Ky, Sa Huynh, Xuan Loc). Sa Huynh Culture.

129 - Fontaine, H., and Davidson J.H.C.S. 1982<sup>c</sup>. The archaeological site of Hoa Vinh near Phan Thiet, Central Viet Nam. *Asian Perspective* 23(1), 71-98. Honolulu.

Keyword: Central Viet Nam, Phan Thiet, Hoa Vinh. Artifacts, potshards, jars, beads,

130 - Fontaine, H. 1982<sup>d</sup>. Le passage du Permien au Trias

dans le Sud-Est Asiatique. (Transition from Permian to Triassic in Southeast Asia). 9<sup>ème</sup> Réunion Annuelle des Sciences de la Terre (9<sup>th</sup> Annual Meeting of Earth Sciences), 246. Paris.

Keyword: Southeast Asia. Transition. Permian to Triassic.

131 - Fontaine, H. and Mainguy, M. 1982<sup>e</sup>. Don't forget Asia older rocks. *Petroleum News* 12 (11), 8-10. Hong Kong and *CCOP Newsletter* 9(1), 37-38. Bangkok.

Keyword: Asia, Southeast Asia. Petroleum, older rocks.

132 - Fontaine, H. 1982<sup>f</sup>. Guguk Bulat, a very famous Permian limestone locality of Sumatra, Indonesia. *CCOP Newsletter* 9(1), 21-28 and *CCOP Technical Publications* 20, 43-54 (see 180 below).

Keywords: Indonesia, Sumatra, Guguk Bulat. Limestone. Permian.

133 - Fontaine, H., Lovachalasupaporn, S. and Sektheera, B. 1982<sup>g</sup>. Corals and coral reefs in the Permian of Thailand. *CCOP Newsletter* 9(2), 13-19 and *CCOP Technical Publications* 20, 271-280 (see 180 below).

Keywords: Thailand. Corals. Permian.

134 - Fontaine, H., Ingavat, R. and Vachard, D. 1982<sup>h</sup>. Carboniferous corals from Northeast Thailand. *Bulletin of the Geological Society of Malaysia* 15, 47-56, 2 pl.

Keywords: Northeast Thailand, Ban Na Charoen, Phu Tum, Ban Tha Sot area. Corals, algae, foraminifers. Early Moscovian.

135 - Fontaine, H., Lovachalasupaporn, S., Nguyen, D.T. and Vachard, D. 1983<sup>a</sup>. New data on the Lower Carboniferous in Thailand. *CCOP Newsletter* 10(1-2), 13-18 and *CCOP Technical Publications* 20, 297-306, 3 pl. (see n° 180 below).

Keywords: Thailand, Chon Daen area, Khao Hin Pun, Ban Khao Nam Sap, Khao Cha Ngok, Khao Noi, Ban Kudi Phra. Viséan to Bashkirian.

136 - Fontaine, H., David, P. and Nguyen, D. T. 1983<sup>b</sup>. A note on the northwest Panay-Tablas area, Philippines. *CCOP Newsletter* 10(1-2), 8-13 and *CCOP Technical Publications* 20, 261-268, 2 pl. (see n° 180 below).

Keywords: Philippines, Panay-Tablas area. Murghabian (Permian).

137 - Fontaine, H. 1983<sup>c</sup>. Some Permian corals from the Highlands of Padang, Sumatra, Indonesia. *Publications of the Geological Research and Development Centre, Palaeontological Series* 4, 1-31, 10 pl. Bandung.

Keywords: Indonesia, Sumatra, Guguk Bulat, Silungkang. Corals. Murghabian.

138 - Fontaine, H., David, P., Pardede, R., Suwarna, N., Bassoullet, J.P., Beauvais, L., Buffetaut, E., and Ingavat, R., 1983<sup>d</sup>. The Jurassic in Southeast Asia (Thailand, Laos, Cambodia, Viet Nam, Malay Peninsula, Sumatra, Borneo, Western Philippines). In: Shimazaki, Yoshihiko (Ed.),

- CCOP Technical Bulletin 16, 1-75, 15 pl.  
Keywords: Southeast Asia. Cambodia, Indonesia, Laos, Malaysia, Philippines, Thailand, Viet Nam. Algae, foraminifers, corals, vertebrates. Jurassic.
- 139 - Fontaine, H. and Ingavat, R. 1983<sup>e</sup>. The Lower Carboniferous in Thailand. 10<sup>th</sup> International Congress on Carboniferous Stratigraphy and Geology, Madrid, Spain. Abstracts, p.31.  
Keywords: Thailand. Carboniferous.
- 140 - Fontaine, H., Chonglakmani, C. and Vachard, D. 1983<sup>f</sup>. Carboniferous-Lower Permian section in Chon Daen area, Central Thailand. Symposium on Stratigraphy of Thailand. Bangkok, 5 p.  
Keywords: Thailand, Chon Daen. Carboniferous, Permian.
- 141 - Fontaine, H. and Vachard, D. 1985<sup>a</sup>. New palaeontological data on the Upper Paleozoic of Sumatra. *Mémoires de la Société Géologique de France*, n. s., 147, 49-54. Paris.  
Keywords: Indonesia, Sumatra. Carboniferous, Permian.
- 142 - Fontaine, H. and Beauvais, L. 1985<sup>b</sup>. Faunal biogeography: Jurassic corals of Thailand. IGCP Project 171, Circum-Pacific Jurassic, Tokyo, 2 p.  
Keywords: Thailand. Corals. Jurassic.
- 143 - Fontaine, H., David, P., Pardede, R., et al. 1985<sup>c</sup>. Marine Jurassic Southeast Asia, special paper-IGCP Project 171, Circum-Pacific Jurassic, Vol.12, 28 p.  
Keywords: Southeast Asia. Jurassic.
- 144 - Fontaine, H. and Mainguy, M. 1985<sup>d</sup>. Pre-Tertiary oil and gas potential in the South China Sea. *Energy* 10 (3-4), 403-412. Pergamon, Oxford.  
Keywords: South China Sea, Southeast Asia, Thailand, Indonesia (Sumatra). Pre-Tertiary.
- 145 - Fontaine, H. and Ingavat, R. 1985<sup>e</sup>. The Lower Carboniferous in Thailand. 10<sup>th</sup> International Congress on Carboniferous Stratigraphy, Madrid, Spain, vol. 1, 129-132.  
Keywords: Thailand. Stratigraphy. Carboniferous.
- 146 - Fontaine, H., Amiscaray, Editha A. and Cruz, Jorge R. S. 1985<sup>f</sup>. Note on the Cuyo Archipelago Sulu Sea, Philippines. Proceedings of the 22<sup>nd</sup> Session CCOP, Guangzhou, China, part 2, Technical Report, 333-339, 1 map, 2 pl.  
Keywords: Radiolarite, volcanic rocks. Conodonts, foraminifera. Triassic, Miocene.
- 147 - Fontaine, H. 1986<sup>a</sup>. Discovery of Lower Permian corals in Sumatra. *Bulletin of the Geological Society of Malaysia* 19, 183-191, 3 pl.  
Keywords: Indonesia, Sumatra, Jambi Province. Corals. Permian.
- 148 - Fontaine, H., Nguyen, D. T., Vachard, D. and Vozenin-Serra, C. 1986<sup>b</sup>. The Permian of Southeast Asia. In: Shimazaki, Yoshihiko, CCOP Technical Bulletin 18, 171 p., 26 pl.  
Keywords: Southeast Asia, Cambodia, Indonesia (Sumatra), Malaysia, Philippines, Thailand. Palaeontology, stratigraphy, geochemistry, igneous activities, palaeogeographic evolution, mineral resources, microfacies of limestones. Foraminifers, algae, corals, fossil woods. Permian.
- 149 - Fontaine, H. 1986<sup>c</sup>. Shan-Thai Block and Indochina Block during the Carboniferous and the Permian: Palaeontological and stratigraphical data. In: Pham, Quoc Tuong (Ed.), Proceedings of the 1<sup>st</sup> Conference on Geology of Indochina, Ho Chi Minh City, vol. 1, 101-103.  
Keywords: Peninsular Thailand, Peninsular Malaysia, Indonesia (Sumatra). Sediments, mudstones. Fusulinids, corals. Carboniferous, Permian.
- 150 - Fontaine, H. and Beauvais, L. 1986<sup>d</sup>. Distribution of Jurassic corals in Southeast Asia. In: Pham, Quoc Tuong (Ed.), Proceedings of the 1<sup>st</sup> Conference on the Geology of Indochina, vol. 1, 137-145, 1 map. Ho Chi Minh City.  
Keywords: Southeast Asia, South Viet Nam, Cambodia, south Laos, Philippines (Mindoro, Calamian Islands, northeast Palawan), Malaysia (western Sarawak), Indonesia (West Kalimantan, Sumatra), Thailand (Mae Sot). Microfacies. Corals. Jurassic.
- 151 - Fontaine, H. 1986<sup>e</sup>. The Upper Palaeozoic and Mesozoic fossils of West Thailand. Summary of main results. CCOP Newsletter 11(4), 26-29 and CCOP Technical Publications 20, 353-359, (see n° 180 below).  
Keywords: Thailand, Kanchanaburi, Phetburi, Mae Sot. Foraminifera, corals, Carboniferous, Permian, Triassic, Jurassic.
- 152 - Fontaine, H. and David, P. 1987<sup>a</sup>. Eocene limestone offshore Northeast Palawan Island. *The Philippines Geologist*, 40(2), 36-40. Manila. Proceedings of the 22<sup>nd</sup> CCOP Session, 341-345. Bangkok.  
Keywords: Philippines, Pabellion, Baraoasen, Apulit Islands; Maytiguid Island. Algae, foraminifera. Eocene.
- 153 - Fontaine, H., Amiscaray, E.A. and Cruz, J.R. S. 1987<sup>b</sup>. Note on the Cuyo Archipelago, Sulu Sea, Philippines. Proceedings of the 22<sup>nd</sup> CCOP Session, 333-339. Bangkok and *Warta Geologi (Newsletter of the Geological Society of Malaysia)* 13(1), 1-7, 4 fig.  
Keywords: Philippines, Sulu Sea. Limestone, radiolarite, diorite, volcanoes. Cenozoic.  
Note: Recrystallized limestone and radiolarite intruded by diorite (15 million years in age) and covered by Cenozoic limestone and the products of several Quaternary volcanoes.
- 154 - Fontaine, H. 1987<sup>c</sup>. Brief report on field trips to Trang, Krabi and Phang Nga Provinces in the south of Thailand. CCOP Newsletter, 12(1), 25 and CCOP Techni-

cal Publications 20, 367 (see n°180 below).

Keywords: Thailand, Phangnga, Ko To Meng. Permian, Mesozoic.

155 - Fontaine, H. 1987<sup>d</sup>. The Three Gorges (China); more than 800 million years of geological history. CCOP Newsletter, 12(2), 34-36 and CCOP Technical Publications 20, 29-31 (see n°180 below).

Keywords: China, Three Gorges. History.

156 - Fontaine, H., Alméras, Y., Beauvais, L., Bassoullet, J. P., Cariou, E., Gabilly, J., Meesook, A. and Suteethorn, V. 1987<sup>e</sup>. Marine Jurassic of West Thailand. 2<sup>nd</sup> International Symposium on Jurassic Stratigraphy. Lisboa, Portugal, Programme and abstracts, p. 37.

Keywords: Thailand. Stratigraphy. Jurassic.

157 - Fontaine, H. and Ingavat, R. 1987<sup>f</sup>. The Carboniferous of Thailand, its fossils and sediments. 11<sup>th</sup> International Congress on Carboniferous Stratigraphy and Geology. Beijing, China. Abstracts, vol. 1, 12.

Keywords: Thailand. Stratigraphy. Carboniferous.

158 - Fontaine, H. and Vachard, D. 1987<sup>g</sup>. Discovery of a Chernyshinellid assemblage (Foraminifera) in West Thailand, its bearing on the Tournaisian of Thailand and Southeast Asia. 11<sup>th</sup> International Congress on Carboniferous Stratigraphy and Geology. Beijing, China. Abstracts, vol. 1, p. 60.

Keywords: Thailand. Foraminifera. Carboniferous.

159 - Fontaine, H. and Tantiwanit, W. 1987<sup>h</sup>. Discovery of widespread and very fossiliferous Devonian beds in Northeast Thailand. CCOP Newsletter 12(3), 27-28 and CCOP Technical Publications 20, 315-317 (see n°180 below).

Keywords: Thailand, Ban Chom Noi. Fossiliferous beds. Devonian.

160 - Fontaine, H., Jongkanjanasontorn, Y. and Suteethorn, V. 1987<sup>i</sup>. Spectacular karstic region of Thailand. CCOP Newsletter 12(4), 23-26 and CCOP Technical Publications 20, 333-336 (see n°180 below).

Keywords: Thailand, Chiang Dao, Mae Hong Son.

161 - Fontaine, H., Beauvais, L. and Maurin, A. 1987<sup>j</sup>. A review of recent data on mud mounds: discoveries in Asia. Oil and Gas Geology 8(4), 373-379. Jiangling (in English and Chinese).

Keywords: Asia. Mud mounds.

162 - Fontaine, H. and Poumot, C. 1988<sup>a</sup>. The age of anthracite in Thailand. Journal of Southeast Asian Earth Sciences 2(1), 41-42.

Keywords: Thailand, Ban Na Duang coal mine. Upper Carboniferous-Lower Permian.

Note: The subsequent discovery of plant imprints (Laveine et al 1993) indicates that the actual age is slightly older.

163 - Fontaine, H. and Khoo, H. P. 1988<sup>b</sup>. Palaeontological research in Terengganu State, Peninsular Malaysia: a review. CCOP Newsletter 13(1), 25-30 and CCOP Technical Publications 20, 97-103 (see n°180 below).

Keywords: Malaysia, Terengganu State. Foraminifera, corals, crinoids, plants. Paleozoic.

164 - Fontaine, H., Lys, M. and Nguyen, D. T. 1988<sup>c</sup>. Some Permian corals from east Peninsular Malaysia: associated microfossils, palaeogeographic significance. Journal of Southeast Asia Earth Sciences 2(2), 65-78, 7 pl.

Keywords: East Peninsular Malaysia. Palaeogeography. Corals, microfossils. Permian.

165 - Fontaine, H., Gafoer, S. and Suharsono 1988<sup>d</sup>. Well-dated horizons of the pre-Tertiary of Sumatra. CCOP Newsletter 13(2), 26-30 and CCOP Technical Publications 20, 55-58 (see n°180 below).

Keywords: Indonesia, Sumatra. Pre-Tertiary.

166 - Fontaine, H. and Suteethorn, V. 1988<sup>e</sup>. Discovery of widespread Bashkirian limestones northeast of Loei. In: Silakul, Tawisak, Proceedings of the Annual Technical Meeting 1987, Chiang Mai University, Thailand, 199-206., 2 fig.

Keywords: Thailand, Ban Tat So, Ban That, Pak Chom, Pha Tha, Phu Bo Bit, Phu Tham Pha Tang. Limestone. Bashkirian.

167 - Fontaine, H., Suteethorn, V. with contribution of Alméras, Y., Bassoullet, J. P., Bernet-Rollande, M. C., Beauvais, L., Cariou, E., Chennaux, G., Gabilly, J., Nguyen, D.T. and Vachard, D. 1988<sup>f</sup>. Late Palaeozoic and Mesozoic fossils of West Thailand and their environments. In: Shimazaki, Yoshihiko (Ed.), CCOP Technical Bulletin 20, 217 p., 46 pl. Tokyo.

Keywords: Thailand. Algae, foraminifera, brachiopods, corals. Carboniferous, Permian, Triassic, Jurassic, Cretaceous?.

168 - Fontaine, H. and Vachard, D. 1988<sup>g</sup>. Discovery of Lower Carboniferous limestone in Kemaman District, Terengganu, Malaysia. CCOP Newsletter 13(2), 25-26 and CCOP Technical Publications 20, 105 (see n°180 below).

Keywords: Malaysia, Kemaman, Terengganu. Limestone. Carboniferous.

169 - Fontaine, H. and Vachard, D. 1988<sup>h</sup>. Preliminary remarks on a few fossiliferous localities of Thailand and Malaysia. CCOP Newsletter 13(3), 14-18 and CCOP Technical Publications 20, 7-12 (see n°180 below).

Keywords: Thailand (Chiang Rai, Kiu Lom dam, Phra That Muang Kham, Ban Cham Kha, Huai Thak), Malaysia (Mata Air, Bukit Manek). Foraminifera. Permian, Triassic.

170 - Fontaine, H., Khoo, H. P. and Vachard, D. 1988<sup>i</sup>. Note on Bukit Taat, Terengganu, Malaysia. CCOP Newsletter 13(4), 17-18, 2fig. and CCOP Technical Publications 20, 107-109 (see n°180 below).

Keywords: Malaysia, Terengganu. Kubergandian to Midian for the southern end of Bukit Taat.

171 - Fontaine, H., Khoo, H. P. and Vachard, D. 1988<sup>j</sup>. Discovery of Triassic fossils at Bukit Chuping, in Gunung Sinyum area and at Kota Jin, Peninsular Malaysia. *Journal of Southeast Asia Earth Sciences* 2(3-4), 145-162, 5 pl. Keywords: Malaysia, Bukit Chuping, Kota Jin. *Malayspirina fontainei* n. gen. n. sp. Triassic.

172 - Fontaine, H., Alméras, Y., Beauvais, L., Bassoullet, J. P., Cariou, E., Gabilly, J., Meesook, A. and Suteethorn, V. 1988<sup>k</sup>. The Jurassic of West Thailand. 2<sup>nd</sup> International Symposium on Jurassic Stratigraphy. Lisboa, Portugal, 1081-1094.

Keywords: Thailand. Jurassic.

173 - Fontaine, H. and Gafoer, S. with contributions from Bassoullet, J. P., Beauvais, L., Bernet-Rollande, M. C., Brata, K., Maurin, A. F., Metcalfe, I., Nguyen, D. T., Vachard, D. and Vozenin-Serra, C. 1989<sup>a</sup>. The pre-Tertiary fossils of Sumatra and their environments. *CCOP Technical Publications* 19, 356 p., 77 pl., 1 map.

Keywords: Indonesia, Sumatra, Aceh area, Tapaktuan, Sungai Alas, Rantauprapat, Sibaganding near Lake Toba, Sawahlunto, Agam River, Kuantan Gorge, Guguk Bulat, Silungkang, Jambi Province, Bukit Bulan, Gumai Mounts, Bukit Pendopo. Algae, foraminifera, corals, conodonts, pelecypods, fossil wood. Carboniferous, Permian, Triassic, Jurassic, Cretaceous.

174 - Fontaine, H. 1989<sup>b</sup>. CCOP pre-Tertiary programme. 4<sup>th</sup> International Symposium on Pre-Jurassic East Asia, IGCP Project 224, Osaka, Report n°4, 87-88.

Keywords: Asia. Pre-Tertiary.

175 - Fontaine, H. and Bunopas, S. 1989<sup>c</sup>. The Carboniferous and the Permian in Thailand: a complex paleogeography 4<sup>th</sup> International Symposium on Pre-Jurassic East Asia, IGCP Project 224, Osaka, vol. 1, 65-76.

Keywords: Thailand. Palaeogeography. Carboniferous, Permian.

176 - Fontaine, H. 1989<sup>d</sup>. Peculiarities of the Permian of Peninsular Thailand. *CCOP Newsletter* 14(1) 15-20 and *CCOP Technical Publications* 20, 369-375 (see n°180 below).

Keywords: Thailand, Trang, Krabi, Phangnga, Chumphon, Khao Tin Pet, Khao Tham Sua, Khao Tha Mo. Limestone. Corals, brachiopods, fusulinifers, algae. Permian.

177 - Fontaine, H. and Ho, Wang Kin 1989<sup>e</sup>. Note on the Madai-Baturong limestone, Sabah, East Malaysia; discovery of Caprinidae (Rudists). *CCOP Newsletter* 14(3-4), 27-32, 5 fig.

Keywords: Malaysia, Madai and Baturong hills. Limestone, microfossils. Lower Cretaceous.

178 - Fontaine, H. and Ingavat, R. 1989<sup>f</sup>. The Carbonifer-

ous of Thailand: its fossils and sediments. 11<sup>ème</sup> Congrès International de la Stratigraphie et la Géologie du Carbonifère. *Compte-Rendu* 2, 31-35. Beijing.

Keywords: Thailand. Stratigraphy. Carboniferous.

179 - Fontaine, H. and Vachard, D. 1989<sup>g</sup>. Discovery of a Chernyshinellid assemblage (foraminifera) in West Thailand, its bearing on the Tournaisian of Thailand and Southeast Asia. 11<sup>ème</sup> Congrès International de la Stratigraphie et la Géologie du Carbonifère. *Compte-Rendu* 3, 41-49, 1 pl. Beijing.

Keywords: West Thailand, Huai Song Song. Foraminifera. Tournaisian.

180 - Fontaine, H. with contributions from: Beauvais, L., Caridroit, M., Chonglakmani, C., David, P., Espiritu, E., Gafoer, S., Jongkanjanasontorn, Y., Khoo, H. P., Lovachalasupaporn S., Mistiaen, B., Nguyen, D. T., Poumot, C., Sektheera, B., Suharsono, Suteethorn, V., Tantiwanit, W., Tong, D. T. and Vachard, D. 1990<sup>a</sup>. Ten Years of CCOP research on the pre-Tertiary of East Asia. In: Shimazaki, Yoshihiko (Ed.), *CCOP Technical Publication* 20, 375 p., 30 pl.

Keywords: Thailand, Malaysia, Indonesia. Palaeontology, biostratigraphy. Algae, foraminifera, corals. Devonian, Carboniferous, Permian, Jurassic.

Note: Chapters published for the first time: Carboniferous shelf around the Kontum Plate, Palaeontology and biostratigraphy of the Kelantan State, Algae and foraminifera from southeastern Kelantan, Note on the Permian of West Kelantan, the Terbat Formation of Sarawak, new biozonation for the Terbat Limestone, corals from the Bau Limestone (Sarawak), preliminary note on the Carboniferous of Thailand, Devonian fossils from northeast Thailand, first results of a palaeontological study of northwest Thailand.

181 - Fontaine, H. 1990<sup>b</sup>. Recent research in Southeast Asia. Permophiles, Subcommission on Permian Stratigraphy (IUGS) 16, 17. Calgary.

Keywords: Southeast Asia. Fossils. Permian.

182 - Fontaine, H., Daud, Rodziah and Updesh, Sing. 1990<sup>c</sup>. Discovery of Upper Triassic basement in the Malay Basin, offshore Peninsular Malaysia: regional implications. *Journal of Southeast Asian Earth Sciences* 4(3), 219-232, 3 pl.

Keywords: Malaysia. Limestone. Pseudoalgae, foraminifera, prolific calcisponges. Triassic.

183 - Fontaine, H. 1990<sup>d</sup>. Some Devonian corals and Stromatoporoids from northeast Thailand. *Geologisches Jahrbuch, Reihe B* 73, 57-79, 6 pl. Hannover.

Keywords: Northeast Thailand, Ban Khok Phai, Phu Khong, Phu Laem Huai Na Phung, Phu Thanon, Huai Nam Suai, Phu Wang Pha, Huai Klom, Ban Huai Bo Sun, Pha Chan Dai. Corals. Devonian.

184 - Fontaine, H. 1990<sup>e</sup>. Carboniferous corals from northeast Thailand. *Geologisches Jahrbuch, Reihe B* 73, 81-89,

1 pl. Hannover.

Keywords: Northeast Thailand. Corals. Carboniferous.

185 - Fontaine, H. 1990<sup>f</sup>. New data on foraminifera, algae and pseudo-algae of the Visean and Bashkirian (Lower-Middle Carboniferous) from Northeast Thailand. *Geologisches Jahrbuch, Reihe B* 73, 91-109. Hannover.

Keywords: Thailand. Foraminifera, algae. Carboniferous.

186 - Fontaine, H., Ibrahim, B. A., Khoo, H. P. and Vachard, D. 1990<sup>g</sup>. More Triassic foraminifera from Peninsular Malaysia. In: Hirayama, J., (Ed.), *CCOP Technical Bulletin* 21, 73-83, 2 pl.

Keywords: Malaysia, Bukit Tunjung. Foraminifera. Triassic

Note: Bukit Tunjung (and not Bukit Tunjang as mentioned with a wrong map (see n°189 below).

187 - Fontaine, H., Ibrahim, B. A. and Rodziah, D. 1990<sup>h</sup>. Preliminary report on the fieldwork carried out in central Peninsular Malaysia: 1 - Possible presence of Triassic limestone in west Kelantan. 2 - Discovery of Upper Permian in two areas of north Pahang. *CCOP Newsletter* 15(4), 19-22.

Keywords: Malaysia, Kampung Lambok, Gua Panjang, Sungai Kenong. Limestones. Triassic, Permian.

188 - Fontaine, H., Chonglakmani, C. and Duan, W. W. 1990<sup>i</sup>. Note on the continental deposits of Peninsular Thailand with a description of some conchostracans. *Oil and Gas Geology* 11, 31-42, 2 pl. Jiangling.

Keywords: Thailand, Trang, Krabi, Khao Noen Poon Sri. Jurassic.

189 - Fontaine, H. 1991<sup>a</sup>. Bukit Tunjang and Bukit Tunjong. *CCOP Newsletter* 16(1), 20-22, 1 pl.

Keywords: Malaysia. Limestone. Fossils. Permian, Triassic.

190 - Fontaine, H. 1991<sup>b</sup>. Fossil woods from Thailand. *CCOP Newsletter* 16(2), 19.

Keywords: Thailand, Phayao, Ban Saraphi, Khorat. Fossil woods. Miocene, Plio-Pleistocene.

191 - Fontaine, H., Ibrahim, B. A., Khoo, H. P. and Vachard, D. 1991<sup>c</sup>. Short note on a Lower Carboniferous outcrop newly found at Sungai Keboh. *Annual Report of the Geological Survey of Malaysia 1990*, 150-155, 2 pl. Ipoh.

Keywords: Malaysia, Pahang State, Sungai Keboh. Algae, foraminifera. Upper Visean – Serpukhovian.

192 - Fontaine, H., Suteethorn, V. and Jongkanjanasontorn, Y. 1991<sup>d</sup>. Carboniferous corals of Thailand. In: Shimazaki, Yoshihiko, *CCOP Technical Bulletin* 22, 82 p., 27 pl. Japan.

Keywords: NE, NW and Central Thailand. Corals. Visean to Late Carboniferous.

193 - Fontaine, H., Chonglakmani, C., Piyasin, S., Ibrahim, B. A. and Khoo, H. P. 1991<sup>e</sup>. Triassic limestones within and around the Gulf of Thailand. 7th Regional Congress on Geology, Mineral and Energy Resources of Southeast Asia. Bangkok, Abstracts p. 19 and *Journal Southeast Asian Earth Sciences*, 7(4), 263-264. Oxford.

Keywords: Gulf of Thailand, Southeast Asia. Limestone. Triassic.

194 - Fontaine, H. 1991<sup>f</sup>. "Permian" limestones of Peninsular Thailand and northwest Peninsular Malaysia. *Permo-Philes, Subcommittee on Permian Stratigraphy (IUGS)* 19, 13-14. Calgary.

Keywords: Thailand, Malaysia. Limestone. Permian.

195 - Fontaine, H., Suteethorn, V. and Chaimanee, Y. 1991<sup>g</sup>. Prosimian primate - about 40 millions years old - found in Thailand (Report on a fieldwork in Peninsular Thailand). *CCOP Newsletter* 16(4), 9-11.

Keywords: Thailand, Surat Thani, Phangnga, Krabi.

196 - Fontaine, H. and Vu Khuc, D. 1992<sup>a</sup>. IGCP Project 306: Stratigraphic correlation in Southeast Asia. Hanoi, 10-12, *Episodes International Geoscience Newsmagazine (IUGS)* 15(4), 270 and *Geology Correlation* 21, 81-82.

Keywords: Southeast Asia. Stratigraphy.

197 - Fontaine, H. and Suteethorn, V. 1992<sup>b</sup>. Discovery of Moscovian coral assemblages in northeast Thailand. Description of these corals; field relationship between Moscovian and Permian limestones. IGCP Project 306, November 10-12, Hanoi, Abstracts, p. 7.

Keywords: Northeast Thailand. Limestone, corals. Moscovian, Permian.

198 - Fontaine, H., Ibrahim, B. A. and Lai, K. H. 1992<sup>c</sup>. The central part of Peninsular Malaysia appears as more attractive in terms of hydrocarbon potential. *CCOP Newsletter* 17(1), 16-20, 2 fig.

Keywords: Malaysia, Bukit Berentin, Bukit Kayu Ara, Kerambit area, Bukit Darang Harimau. Triassic limestones.

199 - Fontaine, H., Asiah, M. S. and Sanatul, S. H. 1992<sup>d</sup>. Dating of carbonates found in Bunga-Raya well. Confidential Report of Petronas, PRI-RP5-90-02, 8 p., 3 pl. Hulu Klang.

Keywords: Malaysia. Dating, carbonates.

200 - Fontaine, H., Ibrahim, B. A. and Vachard, D. 1992<sup>e</sup>. Kinta Valley displays startling lithology and biostratigraphy. 23<sup>rd</sup> Annual Conference of the Geological Survey of Malaysia, Melaka, 29 p., 4 pl.

Keywords: Malaysia. Lithology, biostratigraphy. Limestone. Algae, Foraminifera, Fusulines, sponges. Upper Ordovician - Lower Silurian, Devonian, Carboniferous, Permian.

201 - Fontaine, H. and Suteethorn, V. 1992<sup>f</sup>. Permian corals of Southeast Asia and the bearing of a recent discovery

of Lower Permian corals in northeast Thailand. National Conference on the Geological Resources of Thailand: Potential for future development, 346-354. Bangkok.

Keywords: Northeast Thailand. Geographic and stratigraphical distribution of the Permian corals.

202 - Fontaine, H., Asiah, M. S. and Sanatul, S. H. 1992<sup>g</sup>. Pre-Tertiary limestones found at the bottom of wells drilled in Malacca Straits. CCOP Newsletter 17(4), 12-17.

Keywords: Malacca Straits, Singa Besar. Limestone. Permian.

203 - Fontaine, H. and Tantiwanit, W. 1992<sup>h</sup>. Permian and Triassic fossils from Phangnga area, Peninsular Thailand. CCOP Newsletter 17(4), 17-20.

Keywords: Thailand, Phangnga town, Khao Thao, Khao Bo. Algae, foraminifera, Pelecypods. Permian, Triassic.

204 - Fontaine, H. and Chonglakmani, C. 1992<sup>i</sup>. The Lam Narai - Phetchabun region: a platform of Early Carboniferous to Late Permian age. In: Charusiri, P., Pisutha-Arnond, Jarupongsakul, S. (Eds.), Proceedings of the Technical Conference on Development Geology for Thailand into the Year 2000, Bangkok, 39-98, 17 pl.

Keywords: Thailand, Phetchabun; Nong Phai, Wichianburi; Lam Narai. Corals, foraminifera, fossil woods. Carboniferous to Late Permian.

205 - Fontaine, H., Suteethorn, V. and Vachard, D. 1993<sup>a</sup>. Carboniferous and Permian limestones in Sop Pong area: unexpected lithology and fossils. Proceedings of the International Symposium on Biostratigraphy of mainland Southeast Asia, Facies & Palaeontology, Chiang Mai, Thailand, vol. 2, 319-336, 4 pl.

Keywords: Thailand, Sop Pong area. Limestone, lithology. Late Viséan-Serpukhovian, Early Bashkirian, Kasimovian, Late Murghabian, Dzhulfian.

206 - Fontaine, H., Lee, K. W., Baudin, F. and Beauvais, L. 1993<sup>b</sup>. A Triassic limestone ("Pandan Limestone") discovered by drilling at Singapore. CCOP Newsletter 18(3), 9-19, 3 pl.

Keywords: Singapore. Sedimentology. organic matter. Corals.

207 - Fontaine, H., Chonglakmani, C., Piyasin, S., Ibrahim, B. A. and Khoo, H. P. 1993<sup>c</sup>. Triassic limestones within and around the Gulf of Thailand. Journal of Southeast Asia Earth Sciences 8(1-4), 83-95, 4 pl.

Keywords: Thailand (Phatthalung, Rattaphum, Phangnga, Padang Besar, Krabi), Malaysia (Bukit Chuping, Bukit Keteri, Bukit Reban, Bukit Jerneh, Bukit Tunjung, Bukit Panggas, Kodiang area, Gunung Keriang, Bukit Barak). Limestones. Triassic.

208 - Fontaine, H. and Tantiwanit, W. 1993<sup>d</sup>. Note on fossiliferous localities between Ban Na Klang and the coal mine east of Ban Na Duang, northeast Thailand. CCOP Newsletter 18(4), 7-10, 1 fig., 1 pl.

Keywords: Northeast Thailand. Coal. Middle Devonian, Carboniferous.

Note: Locality L61 is not "9 km south of the coal mine" as indicated; it is actually 5 km west of the coal mine.

209 - Fontaine, H. and Vu Khuc, D. 1993<sup>e</sup>. IGCP Project 306: Stratigraphic correlation in Southeast Asia. Hanoi, Vietnam, 9-14 November 1993. Episodes 17(1), 20. Geology Correlation 22, 57.

Keywords: Southeast Asia. Stratigraphy.

210 - Fontaine, H. and Ibrahim, B. A. 1993<sup>f</sup>. Triassic limestone in the region of the confluence of Sungai Jelai, Sungai Tembeling and Sungai Pahang. 24<sup>th</sup> Annual Conference of Geological Survey of Malaysia, Pinang, report A31, 7 p., 1 fig.

Keywords: Malaysia, Kerambit area, Bukit Darang Hari-mau, Gua Telinga, Gua Luas, Anisian, Ladino-Carnian. Triassic.

211 - Fontaine, H., Ibrahim, B. A., Khoo, H. P., Nguyen, D. T. and Vachard, D. 1994<sup>a</sup>. The *Neoschwagerina* -zone and the *Lepidolina-Yabeina* -zones in Malaysia and the Dzhulfian-Dorashamian in Malaysia: the transition to the Triassic. Geological Survey of Malaysia, Series "Geological Papers", vol. 4, 74p, 50 pl. (Submitted in 1991).

Keywords: Malaysia. Transition. Fusulinids. Permian, Triassic.

212 - Fontaine, H., Chonglakmani, C., Ibrahim, B. A. and Piyasin, S. 1994<sup>b</sup>. A well-defined Permian biogeographic unit: Peninsular Thailand and northwest Peninsular Malaysia. Journal of Southeast Asia Earth Sciences 9(1-2), 129-151, 6 pl.

Keywords: Thailand, Thai-Malay border. Algae, foraminifers, fusulinids, corals, bryozoans, brachiopods. Murghabian, Dzhulfian.

Note: 73 localities in Peninsular Thailand.

213 - Fontaine, H., Sattayarak, N. and Suteethorn, V. 1994<sup>c</sup>. Permian corals of Thailand. In: Hase, Hirokazu (Ed.), CCOP Technical Bulletin 24, 175 p., 31 pl.

Keywords: Thailand. Corals: description, geographic distribution, stratigraphy. Permian.

214 - Fontaine, H. and Workman, D. R. 1994<sup>d</sup>. Indochina: Regional review. Summary of the geology of Viet Nam. In: Fairbridge, R. N. (Ed.), Encyclopedia of Earth Science 8, the Encyclopedia of World Regional Geology, part 1. John Wiley and sons, New York.

Keywords: Indochina, Viet Nam. Geology.

215 - Fontaine, H. and Suteethorn, V. 1994<sup>e</sup>. The Permian of central and eastern Thailand (western margin of the Indochina microcontinent). Permophiles, Subcommittee on Permian Stratigraphy, 24, 15-16. Calgary.

Keywords: Thailand, Loei Province, Khao Somphot, Khao Tabong Nak. Permian.

- 216 - Fontaine, H. 1994<sup>f</sup>. Pre-Tertiary sequences of South-east Asia: their potential. Circum Pacific Council-Viet Nam Workshop on geology, energy and mineral resources, Hanoi, Abstracts, 40-41.  
Keywords: Southeast Asia, Viet Nam, Thailand, Malaysia, Indonesia (Sumatra). Geology. Pre-Tertiary.
- 217 - Fontaine, H., Suteethorn, V. and Vachard, D. 1994<sup>g</sup>. Carboniferous corals of Southeast Asia with new discoveries in Laos and Thailand. IGCP 306 Proceedings International Symposium on Stratigraphic Correlation of Southeast Asia, Bangkok, 25-42.  
Keywords: Thailand (Ban Na Charoen area, Phu Pha Wiang, Nam Thao Reservoir), Laos (Thakkek area). Corals. Carboniferous.  
Note: Erratum: In 4th line of fig. 8 caption, read 4567 instead of 4607; fig. 4 of pl. 1, read 4561 instead of 4651.
- 218 - Fontaine, H. and Ibrahim, B. A. 1994<sup>h</sup>. The importance of Triassic limestone in the Central Belt of Peninsular Malaysia. IGCP 306 Proceedings International Symposium on Stratigraphic Correlation of Southeast Asia, Bangkok, 195-205.  
Keywords: Malaysia, Kampung Lambok, Pos Blau, Bukit Henderik, Sungai Kenong, Kerambit, Bukit Darang Hari-mau, Gua Telinga, Gua Luas, Raub. Limestone. Triassic.
- 219 - Fontaine, H. and Suteethorn, V. 1994<sup>i</sup>. Preliminary report on Devonian limestones newly discovered in north-eastern Thailand. CCOP Newsletter 19(4), 10-11, 2 fig.  
Keywords: Northeast Thailand, Ban Chom Noi, Ban Huai Bo San; Phu Nam Khoi; Amphoe Na Klang; Ban Nong Tum. Limestone. Ptenophyllidae, Tabulata. Devonian.
- 220 - Fontaine, H. and Shu, Y.K. 1994<sup>j</sup>. A review of fossiliferous limestone in the Raub, Kuala Lipis, Merapoh and Gua Musang areas, Peninsular Malaysia. Geological Survey of Malaysia, Internal Report SPO1/1994, 12p., 1 fig. 1 pl. Ipoh.  
Keywords: Malaysia. Algae, foraminifera.
- 221 - Fontaine, H. and Ibrahim, B. A. 1994<sup>k</sup>. Biostratigraphy of the Kinta Valley, Perak. Extended Abstract. *Warta Geologi* 20(2), 102-103. (See n°225 below) Kuala Lumpur.  
Keywords: Malaysia, Kinta Valley. Biotratigraphy.
- 222 - Fontaine, H. and Vu Khuc, D. 1994<sup>l</sup>. IGCP 306: Stratigraphic correlation in Southeast Asia., 15-20 November 1994 Bangkok, Thailand. *Episodes* 17(4), 133. *Geology Correlation* 23, 37.  
Keywords: Southeast Asia. Stratigraphic correlation.
- 223 - Fontaine, H. and Ibrahim, B. A. 1994<sup>m</sup>. The limestone of Sungai Rui and Sungai Kuak valleys (Upper Perak). Geological Survey of Malaysia, Internal Report SP02/1994, 7p., 1 fig., 1 pl.  
Keywords: Malaysia, Pengkalan Hulu (Kroh), Kampung Pahit, Kampung Lalang. Limestone.
- 224 - Fontaine, H. 1995<sup>a</sup>. Publications of Henri Fontaine, 1954-1994. CCOP Technical Secretary, Bangkok, 68 p.  
Keywords: Bibliography, Indochina, Southeast Asia, geology, stratigraphy, palaeontology, archaeology.
- 225 - Fontaine, H. and Ibrahim, B. A. 1995<sup>b</sup>. Biostratigraphy of the Kinta Valley, Perak. *Bulletin of the Geological Society of Malaysia* 38, 159-172, 4 pl.  
Keywords: Malaysia, Kinta Valley, Kampar, Chemor, Batu Gajah. Lithology, biostratigraphy.
- 226 - Fontaine, H. Suteethorn, V. and Vachard, D. 1995<sup>c</sup>. The Permian exposures west of Chumphae as compared with the other Permian areas of Thailand. *CCOP Newsletter* 20(1), 17-19.  
Keywords: Thailand, roads from Lom Sak to Chumphae, from Khon San to Chulabhorn Dam, from Chumphae to Loei. Algae, foraminifers, corals. Permian.
- 227 - Fontaine, H. and Suteethorn, V. 1995<sup>d</sup>. Khao Tham Rusi Laat: Early Permian red limestone. *CCOP Newsletter* 20(2), 13-18, 2 pl.  
Keywords: Thailand, Khao Tham Rusi Laat. Rugosa. Permian.
- 228 - Fontaine, H. and Suteethorn, V. 1995<sup>e</sup>. The transition from Carboniferous to Permian in the carbonate rocks of Thailand. *Permophiles* 27, 6-8.  
Keywords: Thailand, Khao Tham Nam Maholan, Ban Huai Som Tai, Ban Na Din Dam. Foraminifers, corals. Carboniferous to Permian.
- 229 - Fontaine, H., Ibrahim, B.A. and Vu Khuc, D. 1995<sup>f</sup>. Triassic limestones of southwest Kelantan (east and south of Pos Blau) and north Pahang (Merapoh area), Peninsular Malaysia. *Geology Journal, Serie B* No. 5-6, 16-30, 5 pl., 3 fig. Hanoi.  
Keywords: Malaysia, Gua Belong, Gua Senurat, Sungai Rumsak. Algae, foraminifers, bivalves. Triassic.
- 230 - Fontaine, H., Suteethorn, V. and Vachard, D. 1995<sup>g</sup>. The Carboniferous of northeast Thailand: a review with new data. *Journal of Southeast Asian Earth Sciences* 12(1-2), 1-17, 2 pl.  
Keywords: Northeast Thailand. Algae, foraminifers, corals (Tabulata and Rugosa). Carboniferous.
- 231 - Fontaine, H. and Vachard, D. 1995<sup>h</sup>. Additional note on the area west of Chumphae. *CCOP Newsletter* 20(3-4), 7.  
Keywords: Thailand, Chumphae, Lomsak. Fusulinids.
- 232 - Fontaine, H. and Jungyusuk, N. 1995<sup>i</sup>. Permian corals from Chom Bung area west of Bangkok: their paleogeographic significance. *CCOP Newsletter* 20(3-4), 23-26, 2 pl., 1 map.  
Keywords: Thailand, Khao Lan, Khao Pak Kwang, Khao Kwak. Tabulata, Rugosa. Permian.

- 233 - Fontaine, H. and Ibrahim, B. A. 1995<sup>i</sup>. Biostratigraphy of the Kinta Valley, Perak. Geological Society of Malaysia Bulletin 38, 159-172, 4 pl.  
Keywords: Malaysia, Kinta Valley. Biostratigraphy, lithology, palaeontology, limestone.
- 234 - Fontaine, H. and Ibrahim, B. A. 1996<sup>a</sup>. Preliminary note on Mentakab area, Pahang, Peninsular Malaysia. CCOP Newsletter 21(1), 5.  
Keywords: Malaysia, Mentakab, Temerloh Industrial Park. Limestone. Bivalves. Triassic.
- 235 - Fontaine, H. and Vu Khuc, D. 1996<sup>b</sup>. Résumé \_ International Symposium on Geology of Southeast Asia and Adjacent Areas, 1-9 November 1995, Ha Noi, Viet Nam. CCOP Newsletter 21(1), 16. Geology Correlation 24, 24.  
Keywords: Southeast Asia. IGCP, Stratigraphy, Tectonics, Geophysics, Mineral & Energy Resources.
- 236 - Fontaine, H., Salyapongse, S., Suteethorn, V., Tansuwan, V. and Vachard, D. 1996<sup>c</sup>. Recent biostratigraphic discoveries in Thailand: a preliminary report. CCOP Newsletter 21(2), 14-15.  
Keywords: Thailand. Algae, foraminifers, corals. Carboniferous, Permian, Triassic.
- 237 - Fontaine, H. and Ibrahim, B.A. 1996<sup>d</sup>. New palaeontological data on Sheet 56 (Gunung Bedong) of the topographic map of Malaysia on the scale: 1:63,360. CCOP Newsletter 21(3), 14-18, 1 fig.  
Keywords: Malaysia. Limestone. Algae, foraminifers. Triassic.
- 238 - Fontaine, H., Salyapongse, S., Utha-Aroon, C. and Vachard, D. 1996<sup>e</sup>. Age of limestones associated with gypsum deposits in northeast and central Thailand: a first report. CCOP Newsletter 21(4) & 22(1), 6-7.  
Keywords: Thailand, Wang Saphung, Nong Bua. Algae, foraminifers. Middle Carboniferous.
- 239 - Fontaine, H. 1996<sup>f</sup>. Ambitieux projets d'un jeune au Viet Nam dans les années 1850: Charles-Just Arnoux 1825-1864 (Ambitious projects of a young man in Viet Nam in the 1850s). Missions Etrangères de Paris 314, 306-320.  
Keywords: Indochina, Foreign Missions of Paris, School of Mines. Biogeography, geology, mines, fossils.
- 240 - Fontaine, H. and Ibrahim, B. A. 1996<sup>g</sup>. Why do dinosaurs remain unknown in Malaysia up to now? Geological Survey of Malaysia, Internal report, Palaeontology-Stratigraphy Section 1, 4 p.  
Keywords: Malaysia, Sungai Chichir, Gunung Gagau. Dinosaurs.
- 241 - Fontaine, H. and Ibrahim B. A. 1996<sup>h</sup>. Limestones of Sungai Jenera area, west Kelantan. Geological Survey of Malaysia, Internal report, Palaeontology-Stratigraphy Section 2, 1 p.  
Keywords: Malaysia. Recrystallized limestones.
- 242 - Fontaine, H. and Salyapongse, S. 1997<sup>a</sup>. Unexpected discovery of Early Carboniferous (Late Visean - Serpukhovian) corals in east Thailand. In: Dheeradilok, Phisit (Ed.), Proceedings of the International Conference on Stratigraphy and Tectonic Evolution of Southeast Asia and the South Pacific. Bangkok, Thailand, 48-52, 1 pl.  
Keywords: Thailand, Khao Pradat, Khao Dai, Ban Thamarat Nai, Ban Khao Phrik.. Rugosa, Tabulata, Heterocorallia. Upper Visean, Serpukhovian.
- 243 - Fontaine, H. and Salyapongse, S. 1997<sup>b</sup>. Biostratigraphy of east Thailand. In: Dheeradilok, Phisit (Ed.), Proceedings of the International Conference on Stratigraphy and Tectonic Evolution of Southeast Asia and the South Pacific. Bangkok, Thailand, 73-82.  
Keywords: East Thailand. Limestone. Corals, crinoids, algae, radiolarians, fossil assemblage. Carboniferous, Permian, Triassic, Jurassic-Cretaceous, Tertiary, Quaternary.
- 244 - Fontaine, H. and Jungyusuk, N. 1997<sup>c</sup>. Growth bands in Permian corals of Peninsular Thailand. In: Dheeradilok, Phisit (Ed.), Proceedings of the International Conference on Stratigraphy and Tectonic Evolution of Southeast Asia and the South Pacific. Bangkok, Thailand, 83-87, 1 pl.  
Keywords: Thailand, Khao Lan near Chom Bung, Phra-chuabkhirikhan, Phangna, Lang Suan. Ratburi. Limestone. Corals. Permian.
- 245 - Fontaine, H., Salyapongse, S., Tansuwan, V. and Vachard, D. 1997<sup>d</sup>. The Permian of East Thailand: biostratigraphy, corals, discussion about the division of the Permian. In: Dheeradilok, Phisit (Ed.), Proceedings of the International Conference on Stratigraphy and Tectonic Evolution of Southeast Asia and the South Pacific. Bangkok, Thailand, 109-127, 4 pl.  
Keywords: East Thailand, Cambodian border. Algae, foraminifers, corals. Kubergandian, Lower Murgabian, Midian.
- 246 - Fontaine, H. and Ibrahim, B. A. 1997<sup>e</sup>. The commencement of palaeontological research in Peninsular Malaysia and the evolution of the Geological Survey. CCOP Newsletter 22(3), 12-15.  
Keywords: Malaysia, Guak Kepah, Lipis River, Putus Semanggol. History of the geological research. Shell-heaps, bivalves. Triassic.
- 247 - Fontaine, H. 1997<sup>f</sup>. Palaeontology of Thailand, the fossil corals. Fossil Cnidaria 26(2), 43-46.  
Keywords: Thailand. Corals. Ordovician, Upper Silurian, Devonian, Carboniferous, Permian, Triassic, Jurassic.
- 248 - Fontaine, H. 1997<sup>g</sup>. L'évolution ne devrait plus être un sujet de dispute (Evolution should not be a subject of quarrel). Missions Etrangères de Paris 323, 287-289.  
Keywords: Scientifics, creationists, religion, the Bible, Noah's Ark.

249 - Fontaine, H. and Salyapongse, S. 1998<sup>a</sup>. Discovery of Permian limestone northeast of Klaeng, East Thailand. *CCOP Newsletter*, 23(1), 17-18.

Keywords: East Thailand, Klaeng. Algae, foraminifers. Permian.

250 - Fontaine, H., Ibrahim, B.A. and Vachard, D. 1998<sup>b</sup>. Important discovery of late Early Permian limestone in Southern Terengganu, Peninsular Malaysia. In: Teh, G.H. (Ed.), *GEOSEA '98 9<sup>th</sup> Regional congress on Geology, Mineral and Energy Resources of Southeast Asia*, Kuala Lumpur. *Bulletin of the Geological Society of Malaysia*, Special publication 43, 453-460, 2 pl., 1 fig. Programmes and Abstracts, p. 185.

Keywords: Malaysia, Sungai Patang, Sri Bandi. Algae, foraminifers. Late Permian.

251 - Fontaine, H., Salyapongse, S. and Vachard, D. 1998<sup>c</sup>. Carboniferous of East Thailand: new information from the microfossils. In: Teh, G.H. (Ed.), *GEOSEA '98 9<sup>th</sup> Regional congress on Geology, Mineral and Energy Resources of Southeast Asia*, Kuala Lumpur. *Bulletin of the Geological Society of Malaysia*, Special publication 43, 461-465, 2 fig. Programmes and Abstracts, 190-191.

Keywords: East Thailand, Khao Kradat, Ban Thammarat Nai, Ban Khao Phreek, Khao Yai Mo Noi. Algae, foraminifers. Carboniferous.

252 - Fontaine, H., Suteethorn, V. and Vachard, D. 1998<sup>d</sup>. Khao Yoi, a Permian limestone hill of the Ratburi area, Peninsular Thailand. *CCOP Newsletter* 23(3), 12-14, 2 fig. Keywords: Thailand, Khao Yoi. Pseudoalgae, calcispheroids, foraminifers, corals, calcareous sponges, bryozoans. Midian.

253 - Fontaine, H. 1998<sup>e</sup>. Palaeontology of Malaysia: Paleozoic corals. *Fossil Cnidaria and Porifera* 27(2), 37-40. Keywords: Malaysia, Pahang, Terengganu, Perlis, Kedah, Kuantan, Kinta Valley, Kampar, Selangor, Perak, Kanthan. Ordovician, Silurian, Devonian, Permian,

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Keywords: Thailand. Stratigraphic and paleogeographic distribution, biotic crisis. Corals. Permian.

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Keywords: Malaysia. Biostratigraphy, paleogeography, suture zone. Carboniferous.

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Keywords: Southeast Asia, East Thailand, Klaeng. Oncolites. Triassic.

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Keywords: East Thailand, Wat Khao Hin, Wat Khao Wong. Fusulinids Permian.

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Keywords: East Thailand. Limestone. Foraminifers. Permian.

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Keywords: East Thailand, Chonburi, Khao Yai. Limestone. Microfossils, corals. Carboniferous.
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in Northeast Thailand. In: Mantajit, N. (Ed.), *Proceedings of the Symposium on Geology of Thailand*. Bangkok, 58-76, 1 fig., 12 pl.

Keywords: Northeast Thailand, Khao Tham Yai. Algae, corals, fusulinaceans. Permian.

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Keywords: Thailand. Limestone. Fossil assemblage, corals. Carboniferous, Permian.

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Keywords: Southeast Asia. Permian.

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Keywords: Thailand, Surat Thani. Limestone. Permian.

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Keywords: Deluge, Ark, dinosaure's disappearance,

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Keywords: Northeast Thailand, Loei Region. Radiolarians, foraminifera, algae, corals. Silurian, Devonian, Carboniferous, Permian,

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Keywords: Iran, Tabas. Corals. Carboniferous.

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Keywords: Northwest Thailand, Pang Mapha. Karst topography, limestone. Tabulata, Rugosa. Carboniferous.

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Keywords: Southern Thailand. Limestone. Fossils. Permian.

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Keywords: Central Thailand, Phetchabun, Ban Na Chaliang. Fusulinidae, corals. Carboniferous, Permian.

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Keywords: North Thailand, Wiang Sa, Phrae. Marine sediments. *Colaniella*, *Palaeofusulina*. Permian.

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Keywords: Thailand. Shan-Thai Block. Limestone, corals, foraminifers. Permian.

297 - Fontaine, H., Hoang, T. T., Kavinate, S., Suteethorn, V. and Vachard, D. 2013<sup>a</sup>. Upper Permian (Late Changhsingian) marine strata in Nan Province, northern Thailand. Journal of Asian Earth Sciences 76, 115-119, 1 pl.

Keywords: North Thailand, Pha Dang Khwai. *Colaniella*, *Palaeofusulina*, *Chalartoschwagerina*. Permian.

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Keywords: Northwest Thailand, Chiang Dao, Ban Na Wai, Ban Arunothai, Ang Khang. Stratigraphy. Algae, foraminifers, corals. Carboniferous.

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Keywords: Northeast Thailand, Khao Tham Yai. Indochina Block. Fusulinids. Permian.

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Keywords: Oman, Saiq. Corals. Upper Permian.

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Keywords: West Pacific. Tethys, palaeogeography. Cenozoic.

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Keywords: East Thailand. Geologic history, Shan-Thai Terrane, Indosinian Terrane, biostratigraphy, radiometric dating.

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Keywords: Thailand, Nan, Phayao, Præ. Upper Triassic, Jurassic.

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Keywords: Thailand, Uthai Thani, Nakhon Sawan. Triassic.

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Keywords: Thailand, Ko Si Chang.

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Keywords: Thailand, Khorat Plateau, Playa lake, Maha Sarakam. Bearing minerals.

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Keywords: Northwest Thailand. Biostratigraphy, micropalaeology, carbonate microfossils. Algae, foraminifera. Carboniferous, Permian.

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Keywords: Thailand, Mae Sot. Palaeogeography. Jurassic.

## APPENDIX

### 1 – Subjects with reference numbers

1.1 - Main subjects: Geology, palaeontology, stratigraphy (most articles).

1.2 - Other subjects:

- Archaeology: 71, 74, 77, 79, 83, 87, 88, 96, 100, 101, 116, 128, 129, 224, 274.
- Bibliography: 84, 90, 96, 122, 224.
- Biography: 127 (Saurin E.), 106, 239 (Arnoux C.J.).
- Flora of Paracels Islands: 24.
- History of the geological research in China (155), in Viet Nam, Laos and Cambodia (93, 106, 239), in Malaysia

(240, 246, 253) and in Thailand (247, 254).

- Mass extinction: 5, 6, 15, 288.
- Science and religion: 248, 259, 286.
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- Thermal and mineral springs of Viet Nam: 25, 26, 31, 42, 49, 72, 89.

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- France: 105, 117, 127.
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- Viet Nam: : 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 34, 36, 37, 40, 41, 42, 45, 46, 47, 48, 49, 53, 54, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 106, 109, 110, 116, 123, 127, 128, 129, 138, 150, 214, 216, 224, 311.

3 – Archaeological ages with reference numbers

- Iron age: 77, 83, 94, 100, 116, 128, 129.
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4 – Geological ages with reference numbers

- Quaternary: 3, 4, 6, 9, 10, 12, 18, 40, 71, 73, 76, 80, 81, 86, 95, 98, 153, 190, 284.
- Tertiary: 10, 15, 19, 99, 103, 125, 146, 152, 153, 190, 243, 284.
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**Acknowledgements**

The authors would like to thank Dr. Jolyon Dodgson for the editing of this article. They are also grateful to Drs. Eric Buffetaut and Mongkol Udchachon for their support to publish the manuscript.