

Inter-African Scientific Correspondent for Geology
Correspondant Scientifique Interafricain pour la Géologie

**GEOLOGICAL BIBLIOGRAPHY OF AFRICA
SOUTH OF THE SAHARA**

**BIBLIOGRAPHIE GEOLOGIQUE DE
L'AFRIQUE AU SUD DU SAHARA**

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I. The Inter-African Scientific Correspondent for Geology and the Regional Committees for Geology operate under the aegis of the Commission for Technical Co-operation in Africa South of the Sahara (C.C.T.A.).

II. The Regional Committees for Geology are three in number and are known respectively as :

- (a) The West-Central Committee
- (b) The East-Central Committee
- (c) The Southern Committee.

Each Committee holds periodic meetings for the discussion of geological problems common to the areas comprised within its sphere of activities. Governments within an area send delegates to meetings ; selected geological observers representing mining and prospecting companies operating within the area may be invited to attend and to participate in technical discussions.

III. The Inter-African Scientific Correspondent for Geology is the permanent Secretary to the Regional Committees and arranges for the publication of the Proceedings of their meetings.

He also collects and disseminates information of a geological nature by the circulation of abstracts of literature and the publication of bibliographies. It is within his competence to suggest items for discussion at meetings of Regional Committees, to report on geological research matters, and to facilitate and encourage arrangements for interchanges of visits and other informal contacts between geological officials employed by Governments within the C.C.T.A. region. He also maintains contact with official geological organisations in metropolitan countries interested in the C.C.T.A. region and with the African Geological Surveys' Association, which is a Commission of the International Geological Congress, with headquarters in Paris.

ORGANIZATION OF AFRICAN UNITY
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ADDIS ABABA

COMMISSION DE COOPERATION TECHNIQUE EN AFRIQUE AU SUD DU SAHARA

Crée en janvier 1950, la Commission de Coopération Technique en Afrique au Sud du Sahara (CCTA) a fait l'objet d'une convention intergouvernementale signée à Londres le 18 janvier 1954. Elle se compose, à l'heure actuelle, des Gouvernements suivants : Afrique du Sud, Belgique, Cameroun, Congo (Brazzaville), Congo (Léopoldville), Côte d'Ivoire, Dahomey, Fédération de la Rhodésie et du Nyassaland, France, Gabon, Ghana, Guinée, Haute-Volta, Libéria, Madagascar, Mali, Mauritanie, Niger, Nigéria, Portugal, République Centre-Africaine, Royaume-Uni, Sénégal, Somalie, Tchad.

OBJECTIF

Assurer la coopération technique entre les territoires dont les Gouvernements Membres sont responsables en Afrique au Sud du Sahara.

ATTRIBUTIONS

- 1) Traiter de tout sujet concernant la coopération technique entre les Gouvernements Membres et leurs territoires dans le cadre de la compétence territoriale de la CCTA.
- 2) Recommander aux Gouvernements Membres toutes mesures tendant à la mise en œuvre de cette coopération.
- 3) Convoquer les conférences techniques que les Gouvernements Membres ont décidé de tenir.
- 4) Contrôler du point de vue général et du point de vue financier l'activité des organismes placés sous son égide et présenter aux Gouvernements Membres toutes recommandations y afférentes.
- 5) Présenter des recommandations aux Gouvernements Membres en vue de la création de nouveaux organismes ou la révision des dispositions existantes pour la coopération technique, dans le cadre de la compétence territoriale de la CCTA.
- 6) Présenter des recommandations aux Gouvernements Membres en vue de formuler des demandes conjointes d'assistance technique aux Organisations internationales.
- 7) Présenter des avis sur toutes questions concernant la coopération technique que lui soumettront les Gouvernements Membres.
- 8) Administrer le Fonds Interafrique de la Recherche et la Fondation pour l'Assistance Mutuelle en Afrique au Sud du Sahara.

BUDGET

Alimenté par les contributions des Gouvernements Membres.

ORGANISATION

- 1) La CCTA se réunit au moins une fois chaque année. Ses recommandations et conclusions sont portées à la connaissance des Gouvernements Membres en vue de leur adoption à l'unanimité ainsi que de leur mise en œuvre dans les territoires intéressés.
- 2) Le Conseil Scientifique pour l'Afrique au Sud du Sahara (CSA), conseiller scientifique de la CCTA, a été créé en novembre 1950, comme suite à la Conférence Scientifique de Johannesburg (1949), en vue de favoriser l'application de la science à la solution des problèmes africains. Il est composé de personnalités éminentes, choisies de telle sorte que les principales disciplines scientifiques importantes au stade actuel du développement de l'Afrique soient représentées. En tant que membres du Conseil ces personnalités n'agissent pas sur instructions de leurs Gouvernements respectifs mais sont responsables individuellement devant le Conseil.
- 3) Des Bureaux et Comités techniques traitent chacun un aspect particulier de la coopération régionale et interterritoriale en Afrique au Sud du Sahara.
- 4) Le Secrétariat de la CCTA et du CSA comprend deux sièges : l'un à Lagos, l'autre à Nairobi. Il est dirigé par un Secrétaire Général assisté de deux Secrétaires Généraux Adjoints et, à Nairobi, d'un Secrétaire Scientifique et d'un Secrétaire Scientifique Adjoint. Le Secrétaire de la FAMA est également adjoint au Secrétaire Général.

PUBLICATIONS

Des brochures traitant de problèmes scientifiques et techniques, dont les données sont habituellement rassemblées en Afrique par le CSA, sont publiées à Londres. Toute demande d'information devra être adressée au Bureau des Publications, Watergate House, York Buildings, Londres W.C. 2.

COMMISSION FOR TECHNICAL CO-OPERATION IN AFRICA SOUTH OF THE SAHARA

Established in January 1950, the Commission for Technical Co-operation in Africa South of the Sahara (CCTA) was the subject of an Intergovernmental Agreement signed in London on 18 January 1954. It consists now of the following Governments: Belgium, Cameroon, Central-African Republic, Chad, Congo, (Brazzaville), Congo (Leopoldville), Dahomey, Federation of Rhodesia and Nyasaland, France, Gabon, Ghana, Guinea, Ivory Coast, Liberia, Madagascar, Mali, Mauritania, Niger, Nigeria, Portugal, Senegal, Somalia, South Africa, United Kingdom, Upper Volta.

OBJECT

To ensure technical co-operation between territories for which Member Governments are responsible in Africa South of the Sahara.

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FUNCTIONS

- (1) To concern itself with all matters affecting technical co-operation between the Member Governments and their territories within the territorial scope of CCTA.
- (2) To recommend to Member Governments measures for achieving such co-operation.
- (3) To convene technical conferences as agreed by Member Governments.
- (4) To supervise, from the financial and general points of view, the work of the organisations placed under its aegis and make recommendations thereon to the Member Governments.
- (5) To make recommendations to the Member Governments for the setting up of new organisations or the revision of existing arrangements for securing technical co-operation within the territorial scope of CCTA.
- (6) To make recommendations to the Member Governments with a view to the formulation of joint requests for technical assistance from international organisations.
- (7) To advise Member Governments on any other subject in the field of technical co-operation which the Member Governments may bring to its notice.
- (8) To administer the Inter-African Research Fund and the Foundation for Mutual Assistance in Africa South of the Sahara.

FINANCE

Contributions from Member Governments.

ORGANISATION

- (1) CCTA meets at least once a year. Its recommendations and conclusions are submitted to Member Governments for unanimous approval and for implementation in the territories concerned.
- (2) The Scientific Council for Africa South of the Sahara (CSA) Scientific Adviser to CCTA, was established in November 1950 following the Johannesburg Scientific Conference (1949), to further the application of science to the solution of African problems. Its members are eminent scientists chosen in such a manner that the main scientific disciplines important at the present stage of the development of Africa shall be represented. As members of the Council they do not receive instructions from Governments but are responsible individually to the Council.
- (3) Technical Bureaux and Committees deal with specific aspects of regional and inter-territorial co-operation in Africa South of the Sahara.
- (4) The CCTA CSA Secretariat has two offices, one in Lagos and one in Nairobi. The Secretariat has at its head a Secretary-General, who is aided in his work by two Assistant Secretaries-General and, at Nairobi, by a Scientific Secretary and an Assistant Scientific Secretary. The Secretary-General is also assisted by the Secretary of FAMA.

PUBLICATIONS

Publications dealing with scientific and technical problems, the data for which are usually collected in Africa by CSA, are issued in London. Enquiries should be addressed to the Publications Bureau, Watergate House, York Buildings, London, W.C. 2.

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GEOLOGICAL BIBLIOGRAPHY OF AFRICA SOUTH OF THE SAHARA

BIBLIOGRAPHIE GEOLOGIQUE DE L'AFRIQUE AU SUD DU SAHARA

BIBLIOGRAPHY OF THE KARROO SYSTEM BIBLIOGRAPHIE DU SYSTEME KARROO

I

COMMISSION DE
COOPERATION TECHNIQUE EN AFRIQUE **COMMISSION FOR**
AU SUD DU SAHARA **TECHNICAL CO-OPERATION IN AFRICA**
SOUTH OF THE SAHARA

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THE KARROO SYSTEM AND ITS EQUIVALENTS

By S. H. HAUGHTON

At a meeting held in Nairobi in September, 1954, the Association of African Geological Surveys discussed, and approved in principle, a suggestion for the compilation of a bibliography of African geology. The Scientific Council for Africa, at its Vth Meeting in Pretoria (September, 1954), drew special attention to this matter, and considered that so large an undertaking might be appropriate for financial assistance from the Inter-African Research Fund.

As a matter of personal interest, the compiler has maintained for a number of years a card catalogue, under authors' names, of papers dealing with the stratigraphy and palaeontology of the Karroo system—but not of the petrology of the igneous rocks associated with it—which have come to his notice. It appeared that this catalogue might form a satisfactory foundation on which to build a complete bibliography of papers dealing with this system in Africa south of the Sahara, excluding the igneous rocks. In order to assure its completeness, Directors of Geological Surveys of the territories included in the region were requested to scrutinise, amend and, if necessary, enlarge the lists of entries referring to their countries which were submitted to them. Their cordial co-operation in the task of checking was readily forthcoming and, as a result, it is expected that the present list, which extends to the end of the year 1954, has few lacunae.

In order to add to the usefulness of this work, the list of papers arranged alphabetically and chronologically under authors' names has been supplemented by a subject index which refers by numbers to the papers which deal with each listed subject.

The name of the periodical in which a paper appears is abbreviated in accordance with the rules laid down in the Oxford "World List of Scientific Periodicals". The volume number in small Roman figures is followed by the date of publication in brackets, after which is given the number within the volume of the first page of the paper, or of the page on which the first reference to the Karroo system is made if the paper contains material dealing with other matters.

At its meeting in Salisbury, Southern Rhodesia, in January, 1956, the Commission for Technical Co-operation in Africa south of the Sahara agreed to accept the responsibility for the publication of the present work as part of a series of papers which will be one result of the decision by Member Governments of the Commission to institute Regional Committees for Geology within the area for which they are responsible and to maintain an office for an Inter-African Scientific Correspondent for Geology.

LE SYSTEME KARROO ET SES EQUIVALENTS

par S. H. HAUGHTON

Au cours d'une réunion tenue à Nairobi, en septembre 1954, l'Association des Services Géologiques Africains a discuté et approuvé, en principe, une suggestion visant à la compilation d'une bibliographie de la géologie africaine. Le Conseil Scientifique pour l'Afrique, à sa Vème Réunion à Prétoria en septembre 1954, a attiré l'attention sur ce sujet et était d'avis qu'une entreprise aussi vaste pourrait à juste titre recevoir l'aide financière du Fonds Interafricain de la Recherche.

Guidé par des questions d'intérêt personnel l'auteur a tenu à jour, pendant de nombreuses années, une collection de fiches donnant par ordre alphabétique les noms des auteurs de travaux ayant trait à la stratigraphie et à la paléontologie du système Karroo — à l'exception de la pétrographie des roches ignées qui y sont associées — dont il a pris connaissance. Il lui a paru possible de construire, sur ces fondations, une bibliographie complète des communications ayant trait à ce système en Afrique au sud du Sahara, à l'exception des roches ignées. Pour s'assurer d'en arriver à un ouvrage complet, l'auteur a prié les Directeurs des Services Géologiques des territoires compris dans la région de vérifier, corriger et, si nécessaire, ajouter les titres de travaux concernant leur pays, aux listes qu'il leur a soumises. Ces derniers ont fait preuve d'un esprit de coopération cordial et l'auteur espère donc que cet ouvrage, qui comprend les communications parues jusqu'en 1954, ne présentera que peu de lacunes..

Afin de rendre cet ouvrage plus complet du point de vue bibliographique, la liste des travaux, classée par ordre alphabétique et chronologique sous chaque nom d'auteur, est complétée par un Index des matières dont les chiffres se réfèrent aux travaux traitant de chaque sujet paraissant sur la liste.

Le nom du périodique dans lequel les communications paraissent est abrégé selon les règles en vigueur dans la "World List of Scientific Periodicals" d'Oxford. Le numéro du volume est en chiffres romains ; il est suivi, d'abord, de la date de la publication qui figure entre parenthèses, et, ensuite, du numéro de la première page de la communication ou de la page dans laquelle la première référence est faite du système Karroo si la communication traite d'autres questions.

La décision des Gouvernements Membres de la Commission de Coopération Technique en Afrique au Sud du Sahara d'instituer des Comités Régionaux de Géologie dans la région relevant de leur autorité et de créer le poste de Correspondant Scientifique pour la Géologie entraînera la parution d'une série de documents. C'est dans le cadre de ce programme général, qu'au cours de sa Session de Salisbury, Rhodésie du Sud, en Janvier 1956, la Commission a accepté de se charger de la publication du présent ouvrage.

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