FEBRUARY 10, 1934

## CZECH CHEMICAL SOCIETY

IOANNES MARCUS MARCI SPECTROSCOPIC SOCIETY

CZECH TECHNICAL UNIVERSITY IN PRAGUE

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Artificial Production of a New Kind of Radio-Element

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LEO SZILARD. T. A. CHALMERS.

Physics Department,
Medical College,
St. Bartholomew's Hospital, London, E.C.1.

Activated States in the Spectrum of Copp



Organised on behalf of the EuCheMS Division of Nuclear- and Radiochemistry on the occasion

of the 80th anniversaries: discovery of the artificial radioactivity by Irène Curie and Frederic Joliot (Nature, Feb. 10, 1934, p.p. 201–202) and Szilard-Chalmers effect discovered by Leo Szilard liquide

and T. A. Chalmers (Nature, Sept. 22, 1934, p. 462) 'amalgame séché était rapidement transporté dan

**CONFERENCE TOPICS** 

Radionuclides in the Environment, Radioecology

Nuclear Analytical Methods tiles and that he reached his highest

BY the death • Chemistry of Actinide and Trans-actinide Elements

seventy-ninth year, Radiation Chemistry 1889 was elected its representative on the General out of the academic and medical life of t

 Production and Application of Radionuclides he had from the MacAlister family which for about five centuries possessed considerable lands in Kintyre and the heads of which were hereditary keepers of Tarbert Castle. Although originally a branch of the great clan MacDonald, they held their Tarbert possessions in

advice was frequently sought by the Privy Council and other Government departments concerned with the administration of medical education, pharmacy and the public health, and in these

placée dans un tube de quartz, et le vide était aussitôt fait dans l'appareil. La distillation du mercure est une opération extrêmement délicate : elle doit être faite sans qu'à aucun moment l'ébullition puisse se produire, parce que celle-c détermine des projections de matière. Nous avons finalement effectué la distillation

de fer, préalablement réduite dans l'hydrogène pur. Cette nacelle étai

ce gaz étant toujours supérieure à la pression de • Separation Methods, Speciation rature de la nacelle. Cette température était

· Chemistry of Nuclear Fuel Cycle dont une soudure pénétrait dans le métal de (organised as the 1<sup>st</sup> ASGARD International Workshop)

Radiopharmaceutical Chemistry, Labelled Compounds

· Education par les moyens ordinaires pouvait encore altérer l'amalgame et le métal. our achever la purification, l'hydrogène était admis dans l'appareil au travers d'un ube de platine chauffé à température élevée dans un four électrique. Ce procédé de urification semble parfait.

charter from the Campbells with whom they cast in their lot in parties and when they can be gradually came to exercise a farin their lot in parties and Services Exhibition will be organised in parallel to RadChem 2014.

La plus grande partie du mercure a été distillée à 270° puis la tempématters he gradually came to exercise a farmatters he gradually came to exercise a farmatter he gradually came to exercise a farmatter he gradually came to exercise a farmatter he gradually came to exercise a farm

May 17, 1854, and received his school there and in Aberdeen and Liverpool, the changes in family residence being necessitated by his father's business activities. In 1873 he entered St. John's College, Cambridge, and in 1877 was senior Smith's prizeman in addition wrangler and fir

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A year later h

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physician,

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Hospital and

that Sir Donald MacAlister's influence on higher education and its administration was felt. His exceptionally wide knowledge and culture rendered him highly sympathetic to all the many departments of university studies and activities; this his being chosen chairman of the Univer-

IMPORTANT DEADLINES ureau of the British Empire, chairman of

the Commission on the University of Belfast, and Call for Abstracts: September 2013 ar public work. In 1907 he

Abstracts Submission Deadline: 30 November 2013

Authors Notification: December 2013 to Clasgow he had no Registration/Hotel Reservation: January/February 2014

Advance Programme: March/April 2014 ing aspects, and this

Full Papers: 11 May 2014 (at the on-site registration) special attain

Section of Therapeutics of the British Medical Association and for many years was chairman of the "British Pharmacopæia" Committee, the 1898 and 1914 editions of which

owed a great deal to his collaboration. Although deeply interested in scientific and medical research and keenly appreciative of their results, Sir Donald MacAlister was never a 'research

was freely forthcoming for the establishment of many new chairs and lectureships and for general university expansion. Nor were the social and athletic sides of student life overlooked. A new Union costing £65,000 was built, new playing fields were provided and three residential halls for

appareil. Afin de pouvoir observer le contenu de la nacelle pendant toute durée de l'opération, on chauffait à l'aide de brûleurs à gaz. Vers 400° amalgame était solide mais fondait par élévation de température et égageait CONTAC hercure. Le point de fusion pouvait être déterminé es exactement il montait on Conference et a atteint 700°. A cette mpérature nous ne pouvions plus Chemistry distillation de mercure, Department of Nuclear Chemistry Czech Technical University in Prague froide. Par contre, le ergique Břehová 7, 115 19 Prague 1, Czech Republic ntenait Fax: +420 222 320 861 ayant une fusion brusque vers 700°. Nous nsons qE-mail: radchem@fjfi.cvut.cz.iblement pur. Il adherait forteent au fwww.radchem.cztre détaché facilement. Le métal radium s'altère très rapidement à l'air, il noircit immédia-