OPENING PRENARY SESSION

A.A.I.N. was created and continues to exist so that it may serve the industrial nurse by helping her to increase her professional competence. To the extent to which our association is successful in providing this service to individual nurses, it also enables industrial nurses to better serve the cause of road health within industry.

OCCUPATIONAL HEALTH - RECENT TRENDS AND FUTURE PROBLEMS S. FORSSMAN, M.D.

President of the Permanent Committee and International Association on Occupational Health The origin of International Congresses on Occupational Health, now taking place

for the first time in the U.S.A., was a meeting of a group of experts of this then new field of medicine held 1906 in Milan, Italy, when an international organization was founded-"The Permanent International Committee on Industrial Medicine"-its name being changed in 1957 to "The Permanent Committee and International Association on Occupational Health." International congresses have been organized every three to four years from 1966, except during the two great wars. The character of these international meetings has changed considerably during the 54 years. At the beginning a small number of experts from a few countries met for discussion of a new, then rather unknown and not very well-recognized, field of medicine. These meetings have changed into large congresses, with thousands of participants from all over the world discussing problems of occupational health which are penerally recognized as an important part of medicine of today and community, are also represented through special sections or divisions in international organizations such as ILO and WHO (1, 2). The last international congresses were organized in 1958 in Frankfurt, Germany; in 1948 in London; in 1951 in Lisbon; in 1954 in Naples, Italy; and in 1957 in Helsinki (5).

Doctors Alice Hamilton (4), A. Lanza, R. Legge, and R. R. Savers should be given special mention among the participants from the U.S.A. during the early days of our activities because of their pioneer work in occupational health-and from other countries Sir Thomas Legge and E. T. A. Mereseether from U.K.; P. Maxel from France; Fr. Koelsch and L. Teleky from Germany: and L. Carozzi from July, for fifty years Secretary-General and now Honorary President.

The congresses on occupational health have, as abready mentioned, developed from the small meetings of 50 years ago to the very large congresses of today - some may recard them as being too large - and this has called for other activities of this organi-

A few committees were organized in 1957 to study such special problems as uniform records of sick absence, maximum allowable concentrations of toxic substances,

and occupational lung diseases from textile dust. Expert knowledge has been collected, and reports have been and will be prepared. The worldwide expert knowledge repersented within our organization may be well utilized in this way, collecting and evaluating experiences from different countries on difficult and important occurational health problems. This activity is carried out in close contact with the official international organizations active in this field - such as ILO, WHO, and ISSA - in order to assoid overtanning.

The Permanent Committee and International Association on Occumational Health will thus promote the development of occupational health and "establish permanent links between experts in different countries," according to our Constitution (Art. 1b), by organizing international congresses every three years as well as by organizing small working groups or committees and studying and reporting on special problems. In order to promote occupational health, it is of great importance to try to find

out the trends of development and to visualize the problems of the new Intere-Concerning occupational hazards, the approach to the prevention of accidents and occupational diseases has changed considerably during the last decade. Accident preevalue now starts at the stage of design of machines and working processes, which is combasized also in the legislation of many countries, as in Sweden, Ar accident is considered as being caused not by one simple error, but by a combination of many factors experiences gained from many countries - as for instance, the U.S.A - have been of great value in showing the importance of safety education, especially information of new employees, and of establishing a permanent safety attitude, opecially among scotlers and foremen. Regular information to employees on safety-such as the Five-Minute Safety Talks for Foremen (6) issued by the National Safety Council, U.S.A. - more serve as a guide in creating a salety attitude. Concerning recert experiences on compational diseases, such medical preventive measures as regular health examinations and preplacement health examinations have been further developed during the list treenty years. Recent studies have increased our knowledge considerably concerning the mechanism of occupational diseases from inhabition of dust and aerosols, as was shown at the symposiums in Oxford, April, 1960 (7) and in Milan, June, 1960. The main progress in prevention has hovever, taken place in the field of informal lowiene. to evaluate occupational hazards and the technical prevention of inhabition of dusts, gases, and vapors and to control the efficiency of its application, including the human factor. The results of prevention can be studied in the changing occupational distribution of occupational diseases. Lead intoxication, for instance, has it many countries distinguished among opinters, painters, and workers in porcelain factories as a result of prevention. The occupational distribution of this occupational disease has, however, shown that while prevention has been successful in some industries or industrial processes, the luxards may arise when new working processes are developed, as in producing or repairing storage batteries or among workers welding and conting in lead-

if an occupational disease may disappear in some occupations, it may Appear in others. The development of new techniques or new industrial processes may cause new occupational health hazards. The last few decades have shown that some industrial processes have created occupational health problems which will call for special preventice measures, such as the handling of certain beryllium compounds it of isocramate importance that occupational health research is closely following the development of new techniques and that an occupational health program is included already as the

planning stage - that is, when new industries or working processes are developed. The rewest health of the worker, of which accidents and occupational diseases are only a minor part, has attracted the interest of occupational health more and more during the last decades. Much experience has been collected on how builth arrives in industry or other places of employment should best be organized. Experience from all over the world shows that it is possible and relatively easy to organic health service in large industries, but that many practical difficulties arise in organicity health services in mattli industries or other places of employment with few workers. Inogress in health services for groups of small industries these two represent from the huilding industry. Paris, Prance, ENPF, Linky, Exiden, Netherlands: Shough, U.K. (6); and Hursteck, Constitution, Castelland, Castelland

The incoming mechanismics and assumation of initiary will case a shift in the manifold of the first the polyssist of the most of the King physical vice a sould be King physical vice the configuration of the sould be the configuration of the sould be configurated by the sould b

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ing the greater leads of the worker is, however, the most important problem that will not in these constraint in a period of regular inhuminization. Preventy-open health present the preventy of the preventy of the preventy of the preventy of the premating the health of the intervancy industrial population, but, in addition, medical common tem made usual analysis of the preventy of the preventy of the preventy of the preventy color made the made and the preventy of the preventy of the preventy of the preventy color made the preventy of the preventy of the preventy of the preventy of the preventy above two tools become consistent of the preventy of the preventy of the preventy above two tools become consistent of the preventy of the preventy of the preventy of the preventy above two tools become consistent of the preventy of the preventy of the preventy above two tools become consistent of the preventy of the preventy of the preventy above two tools to the preventy of the preventy of the preventy of the preventy above two the preventy of th

The obvious financial incentives of management in industrialized countries to introduce industrial health services are reducing the costs for absenceism and labor turnover, and therefore increasing the quantity and quality of production. These are inually not applicable in developing countries where 10 per cent absences will be easily compensated by employing 10 per cent more people, where labor turnover is so low that it cannot be reduced any further, and where the social responsibility of managestent to the employees will be the main reason for organizing industrial health services. The situation in developing countries of today is very similar to the industrialization in Western Europe 100 years not. It is important to understand the order difficulties in developing countries involved in raising the health standard of the general population and to remember that industrial health services only cover a minor section of the population, although this section of the population is very important for mising the living standard of the country. Industrial health services will therefore do pioteer health work in many developing countries, and priority may have to be given to this task of improving the health of this important section of the population. Occupational health, which may be rapidly developing, must be coordinated from the beginning to public health services, and coordination of occupational health and public health has been specially emphasized during the last ten years by WHO and ILO.

Industrial health services in developing countries during a perior of rapid industrialization will be very different from the traditional occupational health in industrialized countries (17). The experiences on occupational health available in textbooks usually refer to health services in large industries of industrialized countries with a high sandard of living and well-developed public health services and medial-care systems. It is most important to understand that these experiences cannot be copied or directly applied in the developing countries. The experiences from industrialized countries and their industrial health services may be useful, but it is of the greater importance to create programs for industrial health services, specially adjusted to the conditions of developing countries and their social and sociomedical problems related to transfer of population from agriculture to industry, considering the shortness of available medical personnel and the need for medical care programs. Developing occupational health, now in the stage of rapid industrialization, is one of the most important world problems of occupational health of today. It would be of the greatest value to collect experiences in this field from different countries and to work out principles for industrial health services for developing countries and promote their practical application.

Occupational health is now a well-recognized field of medicine, and postgraduate training programs are in operation in many countries and on an international basis organized by WHO. Regular international congresses are necessary is order to survey the enormous experience from research and field studies collected all over the world. Studies on occupational health hazards causing accidents and occupational diseases are carried out in many countries by engineers, chemists, physicists, doctors, and nurses, The principles of health services in places of employment have been studied by WHO and laid down in a recommendation by ILO. The practical application in developing countries during periods of rapid industrialization will meet many dificulties and will call for special studies by groups of experts or by international organizations.

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OCCUPATIONAL HEALTH - A WORLD PERSPECTIVE

Director and Management Advisor, Eastman Kodak Company Former United States Secretary of Health, Education, and Welfare I am deeply honored by the invitation to address this distinguished assemblage. Both my past position as Secretary of the United States Department of Health, Education, and Welfare and my long, continuing work in industry have given me a special appreciation of occupational health. I am impressed by its contribution in improving the health and productivity of the men and women who force our way of life. As indus-

trialization and urbanism gradually extend to the farthest reaches of the globe. I expect occupational health programs to spread and contribute to the progres of these lands. Only recently the permution of health throughout the world has been acclaimed by various statesmen as an instrument for securing peace. Because of its strategic placement in the social structure, occupational health can aid materially in the quest. As a requisite to industrial progress, it enables a broadening of economic is well as health opportunity-two indispensable elements in achieving peace and good will.