Table 2. CORRELATION BETWEEN THE WÜRM CHRONOLOGY AND THE KALAMBO SEQUENCE

	Transie de	CHROMICE	
Stages of the Würm Glacial	Number of the Kalambo samples	Climate	¹⁴ C determination B.P.
Maximum of young Würm	764, 765, 766, 2347	Cool, moist	$\pm 9,550$
Paudorf Interstadial	2349, 2351	Warmer and probably wetter	27,000
	2365	Probably cooler and wetter	$^{30,000}_{\pm 40,600}$
Temperature	2378	Warm and probably drier	$43,000\pm3,300$
oscillations of the Middle	767	Present-day temp. warmer, drier	
Würm	2380, 2381, 2382, 768, 769 2286, 2288, 2342,	and the second	
	2343		57 900 1 900
Brörup Inter- stadial	780, 781, 2293, 774, 2383	Warmer, drier	$57,300 \pm 300$

The transport of pollen of Podostemaceae by water can give us important information on this matter. Plants from this family (Tristicha and Sphaerothylax) occur on many places on boulders in the river bed, especially in the Sansia Falls some distance above the site of the excavation. In Table 3 the samples have been arranged in a sequence of increasing percentage of podostemaceous pollen to see whether there does exist any correlation between the transport of pollen by water as expressed by the numbers of this pollen and certain types of climate. Table 3 shows that this correlation does not exist.

It is possible that during some of the cooler periods the temperature higher up in the River valley was too low

Table 3. Comparison between River Activity and Pollen Spectra

Podostemaceous pollen (%)	Type of vegetation
1.7	cool
9.1	cool
10.8	warm
11.5	cool
13.5	warm
13.9	cool
17.0	warm
20.5	warm
28.6	warm
34.8	warm
63.1	cool
$100 \cdot 0$	warm
142.9	warm
	pollen (%) 1 · 7 9 · 1 10 · 8 11 · 5 13 · 5 13 · 9 17 · 0 20 · 5 28 · 6 34 · 8 63 · 1 100 · 0

for these plants to grow. Table 3 shows, however, that high percentages of podostemaceous pollen occur sometimes in spectra of cooler vegetation types, though more often in 'warmer spectra'. It is, therefore, accepted that river transport of pollen cannot have had an appreciable influence on the fossil spectra.

It is only possible to give an approximation for the decrease in temperature which has occurred during the period under consideration. During the coldest period the vegetation on the Kalambo site was replaced by the open woodland that occurs at present between altitudes of 1,800 and 2,100 m (5,400-6,300 ft.). This would mean a downward shift in vegetation belts of 600-900 m (1,800-2,700 ft.). Prof. H. Flohn has been kind enough to estimate the decrease in temperature involved in the range 3°-5° C. No radiosonde observations are available for this area, but the surrounding stations indicate that this estimate is reliable. It is well in accordance with the figure of $5 \cdot 1^{\circ}$ C which he calculated for the pollen result of Cherangani¹ and it comes within the same limits as the results for north-eastern Angola2.

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NEWS and VIEWS

Chairman of the Council for National Academic Awards: Sir Harold Roxbee Cox

SIR HAROLD ROXBEE Cox, chairman of the Metal Box Co., has been appointed chairman of the Council for National Academic Awards. Sir Harold succeeded Lord Hives as chairman of the National Council for Technological Awards in 1960, and among his other appointments, he is chairman of the Council for Scientific and Industrial Research. The setting up of the new Council for National Academic Awards was recommended by the Committee on Higher Education under Lord Robbins in order to provide additional opportunities of obtaining degrees for students in regional and other colleges of further education which would not be able to award their own degrees. It will be empowered to award degrees not only in the field of technology, but in the sciences, business and social studies and other subjects.

The Institute of Physics and the Physical Society: Appointments and Awards

The following appointments and awards for 1964 have been made by the Institute of Physics and the Physical Society: Guthrie Lecturer, Prof. M. Ryle, professor of radio astronomy at the University of Cambridge; Charles Vernon Boys Prize, to Dr. A. R. Lang, of the University of Bristol,

for his development of the technique of X-ray topography; Maxwell Medal and Prize, to Dr. W. Marshall, of the Theoretical Physics Group, Atomic Energy Research Establishment, Harwell, for his contributions to the theory of magnetism.

Physics at the University of Kent at Canterbury: Prof. J. G. Powles

Dr. J. G. Powles has been appointed to the chair of physics in the University of Kent at Canterbury. Before joining the Department of Physics at Queen Mary College as reader in experimental physics in the University of London, he had worked in the Universities of London, Paris, Liverpool, Princeton, Illinois, and Newcastle upon Tyne, where he was equally at home in chemistry departments as in physics departments—in spite of the fact that his first degrees (of the University of Manchester) were in electrical engineering. He has recently spent periods as visiting professor at the Max Planck Institute of Heidelberg and the University of Rome, and has therefore a very wide and varied experience in university research and His main research interests have been in teaching. molecular motions in solids and liquids, as interpreted by magnetic resonance techniques. During his most recent period at Queen Mary College, he has had a large and very