It seems an interesting fact that the formation of III was not observed during chlorination of I or heating of I with benzoyl peroxide–carbon tetrachloride. The chlorination of II yielded as main product, dichloroisochlordene (IV) (yield, ca. 50–60%, $\nu_{\rm C=C}$ = 1600 cm⁻¹) while III appeared as a by-product in a yield of about 5%. If II was treated with benzoyl peroxide, the main product was III (yield, ca. 25–30%).

It should be pointed out that the present investigations were not performed under the same conditions as used in the production of technical chlordane. Therefore, the possibility of I being a direct precursor of III in this process cannot be excluded. Also, the relatively high proportion of III in technical chlordane (approximately 6%, Parlar et al., 1977) cannot be assumed to be derived solely from reactions of II, although the latter is a possible by-product of the technical synthesis of I.

ACKNOWLEDGMENT

The authors thank P. B. Polen, Velsicol Chemical Corporation, for providing a sample of compound C.

LITERATURE CITED

Chau, A. S. Y., Demayo, A., ApSimon, J. W., Buccini, J. A., Fruchier, A., J. Assoc. Off. Anal. Chem. 57, 205 (1974).

Cochrane, W. P., Parlar, H., Gäb, S., Korte, F., J. Agric. Food Chem. 23, 882 (1975).

Cochrane, W. P., Skinner, S., Greenhalgh, R., unpublished results, 1973; cited in "Chlordane: Its Effects on Canadian Ecosystems and Its Chemistry", National Research Council, Ottawa, Ontario, Canada, K1A 0R6.

Cochrane, W. P., Greenhalgh, R., J. Assoc. Off. Anal. Chem. 59, 696 (1976). Gäb, S., Cochrane, W. P., Parlar, H., Korte, F., Z. Naturforsch. B. 30, 239 (1975).

Gäb, S., Parlar, H., Cochrane, W. P., Wendisch, D., Fitzky, H. G., Korte, F., Justus Liebigs Ann. Chem., 1 (1976).

Parlar, H., Gäb, S., Hustert, K., unpublished results, Institut für Ökologische Chemie der Gesellschaft für Strahlen- und Umweltforschung mbH München, D-8051 Attaching, Federal Republic of Germany, 1977.

Polen, P. B., information supplied to the IUPAC Commission on Terminal Residues, Geneva, Switzerland, 1966.

Saha, J. G., Lee, Y. W., Bull. Environ. Contam. Toxicol. 4, 285 (1969).

Sovocool, G. W., Lewis, R. G., Proc. Univ. Mo. Annu. Conf. Trace Subst. Environ. Health, 9th, 1975 9, 265 (1975).

Sovocool, G. W., Lewis, R. G., Harless, R. L., Wilson, N. K., Zehr, R. D., Anal. Chem., in press, 1977.

Velsicol Chemical Corp., Technical Bulletin, Standard for Technical Chlordane, 1971.

Wilson, N. K., Sovocool, G. W., Org. Magn. Reson., in press, 1977.

Siegmar Gäb*¹ Harun Parlar¹ Friedhelm Korte²

¹Institut für Ökologische Chemie der Gesellschaft für Strahlen- und Umweltforschung mbH München,

D-8051 Attaching

Federal Republic of Germany

²Institut für Chemie der Technischen Universität München

D-8050 Freising-Weihenstephan Federal Republic of Germany

Received for review February 28, 1977. Accepted May 2, 1977.

CORRECTIONS

INDOLE ALKALOIDS FROM BALANSIA EPICHLOË (WEESE)

In this article by James K. Porter, Charles W. Bacon, Joe D. Robbins, David S. Himmelsbach, and Howard C. Higman, the compound referred to in fraction B and named 3-(3-indolyl)propane-1,2,3-triol should be changed to 1-(3-indolyl)propane-1,2,3-triol.

AMINO ACID ANALYZER STUDIES OF THE PRODUCTS OF PEROXIDE OXIDATION OF CYSTINE, LANTHIONINE, AND HOMOCYSTINE

In this article by Samuel H. Lipton, C. E. Bodwell, and Albert H. Coleman, Jr., on p 627, in the second line of the second full paragraph of the second column, the last word sulfoxide should read sulfone.