

sible for adequate botanical classification of their material, names have merely been modified to conform with modern terminology. All references are given in the appropriate places in this section. The Maori names are those given by Andersen (1926), and where the Maori name is unknown the generally accepted colloquial name is included.

In the second section the compounds isolated have been cross-indexed according to chemical type following the order given by Karrer (1958).

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#### REFERENCES

- ALLAN, H. H., 1961. "Flora of New Zealand", Government Printer, Wellington.
- ANDERSEN, J. C., 1926. *Trans. N.Z. Inst.*, 56: 659.
- BRIGGS, L. H., 1947. *Proc. Roy. Soc. N.S.W.*, 80: 151.
- CAIN, B. F., SCANNELL, S., CAMBIE, R. C., 1961. *N.Z. J. Sci.*, 4: 3.
- CAIN, B. F., LA ROCHE, S., CAMBIE, R. C., 1962. *N.Z. J. Sci.*, 5: 537.
- CAMBIE, R. C., CAIN, B. F., LA ROCHE, S., 1961a. *N.Z. J. Sci.*, 4: 604.
- 1961b. *N.Z. J. Sci.*, 4: 707.
- 1961c. *N.Z. J. Sci.*, 4: 731.
- GARDNER, R., 1923. *N.Z. J. Sci. Tech.*, 6: 147.
- 1924. *N.Z. J. Sci. Tech.*, 7: 220.
- KARRER, W., 1958. *Konstitution und Vorkommen der organischen Pflanzenstoffe*. Birkhauser Verlag, Basle.
- MURRAY, J., 1949. *J.N.Z. Inst. Chem.*, 13: 128.
- 1950. *J.N.Z. Inst. Chem.*, 14: 44.

## Section I

### DICOTYLEDONES

#### WINTERACEAE

#### *Pseudowintera colorata* Dandy ("Horopito").

ESSENTIAL OIL: (+)- $\alpha$ -pinene, (—)- $\beta$ -pinene, (+)- $\alpha$ -thujene, myrcene, (+)-limonene, dipentene, (+)- $\beta$ -phellandrene,  $\alpha$ -terpinene,  $\gamma$ -terpinene, terpinolene, p-cymene, (+)-aromadendrene, eugenol, humulene, tricosane, pentacosane, alcohols  $C_{10}H_{18}O$ ,  $C_8H_{14}O$ , and  $C_{10}H_{20}O$ , carbonyl compound  $C_{10}H_{14}O$ , an ester, hexenyl n-valerate, (—)- $\alpha$ -gurjunene, (—)- $\beta$ -elemene, (+)- $\alpha$ -santalene, (—)-calamenene, (—)-cyclocolorenone (sesquiterpene ketone).