

Modern Perfumery Chemicals

BSP Symposium Report by L. Faber

A one-day symposium, **Modern Perfumery Chemicals**, sponsored by the **British Society of Perfumers** was held at the London Tara Hotel on March 18, 1982. There were approximately 100 participants from 28 companies represented. The participants were divided into three groups to provide a more intimate environment during the presentations. The symposium was organized very professionally by Brian Jagers, President of the BSP.

Five participating companies presented products, the delivery of which was clear and concise even for the non-technical listeners.

The speaker for **Firmenich**, Switzerland was Dr. D. Kastner. Dr. Kastner, "a chemist who tries to be a perfumer," demonstrated samples of **Delphone**, a ketone used in small amounts to give full-bodied and diffusive top notes in jasmine, rose, fougere, lavender, green herbal and aromatic compositions. Predominantly jasmine and celery, it possesses a pear-like character with a warm hay lactonic undertone. It sells for £31/kg.

Cyclopipidene is an ester used in a wide range of products. It gives diffusion and lift to jasmine, lilac, tuberose, narcissus, florals, lavender and fougere notes. Cyclopipidene combines the salicylate/cresyl harmony existing in a number of florals with a slight fruitiness. At £59/kg the price seems high, however, it was shown in samples using very small concentrations (0.1-1%).

Florex is a cyclic lactone with an odor that has a very tenacious balsamic, tonka-like and woody note. It has a sweet-astringent character and suggests tobacco and coconut with a green nuance. It can be used in all types of perfumes, particularly fougere, rose, woody and powdery notes. The price is £54/kg and it was shown in samples from 0.1-5% concentration.

Dr. Seymour Lemberg was the speaker for **Fritzsche, Dodge & Olcott Inc.**, USA (recently acquired by **BASF**, Germany), assisted by Ed Shuster, also FD&O. **Dimethyl α -ionone**, available for the first time commercially, is said to be a replacement for methyl ionone. It has a typical sweet, woody, slightly fruity character. It is priced at £12/kg.

The genesis of **Cyclo Musk** is dehydro linalool. This product should not, according to structure-odor theory, be a musk, but it is. It is a sweet,

macrocyclic-like musk with exalting power. Its nature-like quality places it between the benzenoid musks and the macrocyclic musks. It is priced at £22/kg.

FD&O considers **Isoeugenyl Ethyl Acetal** a replacement for, or adjunct to isoeugenol. It has a sweet, deep floral, spicy odor, very similar to isoeugenol, but cleaner, more floral, sweeter and long lasting. It has unusual stability in soaps and detergents and won't discolor soap. It tends to collapse in acid media. The price is £12/kg.

Ronald S. Fenn, **International Flavors & Fragrances**, USA, presented the three lowest priced perfumery chemicals. **Orange Flower Ether**, a single isomer, alicyclic tertiary ether, was at £6-60/kg the lowest priced fragrance demonstrated. It has a floral, citrus (grapefruit) note also reminiscent of bergamot. It is used for citrus complexes or colognes and floral accords, such as neroli, petitgrain, orange flower and lilac.

Koavone (acetyl diisoamylene) is a woody floral complex with ambery violet character reminiscent of methyl ionone with a slight minty nuance. This material is very compatible in a wide range of fragrance types, allowing high use levels (up to 30% in perfume oil) for both fine perfume applications and functional household products. Koavone adds strength and diffusive qualities while supporting basic fragrance themes. It also presents (at £7-90/kg) an economical alternative to the methyl ionones.

Shangralide is a highly diffusive sensual musk complex, offering an excellent combination of performance and desirable quality at low cost (£10-65/kg). In view of its high odor to cost ratio, it affords perfumers the opportunity to incorporate a high level (to 20% in a concentrated fragrance oil) of seemingly natural musk notes into fragrances for all purposes. It also has good stability. It is offered as a cheaper alternative to Galaxolide.

Dr. A. Dunn spoke for **Naarden International**, Holland. He presented **Cistulate**, an ester of a bicyclic carboxylic acid. Cistulate has a natural pine odor with fruity, fresh rosemary-sage aspects. It imparts a natural pine character to all classical pine compounds and can be used in household products, after shave, hair and bath preparations and toilet soap (up to 5% in perfume compositions). The price is £21/kg.