

# Chem 13 News' Top Forty contributors

In the coming year, each issue will feature five of our Top Forty contributors. These contributors have been selected based on their consistent and significant contributions to *Chem 13 News*. This is not a countdown of the Top Forty; it was difficult enough to select from the 40 years of contributors. Mostly the order was chosen to maximize the variety of the material in each issue. The series will end with features on past editors and supporters who have also contributed significantly to *Chem 13 News*.

Each Top Forty contributor will be identified by the Top Forty symbol, an LP record — for old time sake. A selection of the contributor's material, both reprinted or new, will be given in each feature along with some of their learned words of wisdom about teaching chemistry.

## Gerry E. Toogood, Waterloo ON



*It is well-recognized that, in teaching chemistry and other sciences, it is important that students have practical experience of their subject and that their faculty of observation is exercised and developed. It seems to be less recognized that an ability to describe reliably and unambiguously what they have done and observed is equally important. To communicate accurately in writing and orally is a basic necessity for any science student — and teacher!*

*That I should make a contribution to the first issue of Chem 13 News is easy to understand if you know that Reg Friesen and I had adjoining offices at UW at that time. He was a hard man to refuse! Knowing of my interest in word puzzles he suggested that a crossword with a Chemistry theme might be my first contribution to the magazine. A copy of that puzzle is below.*

*Since that time I have written numerous articles on Inorganic Chemistry and a series of "Molecules of the month", but I still maintain my puzzling interests!*

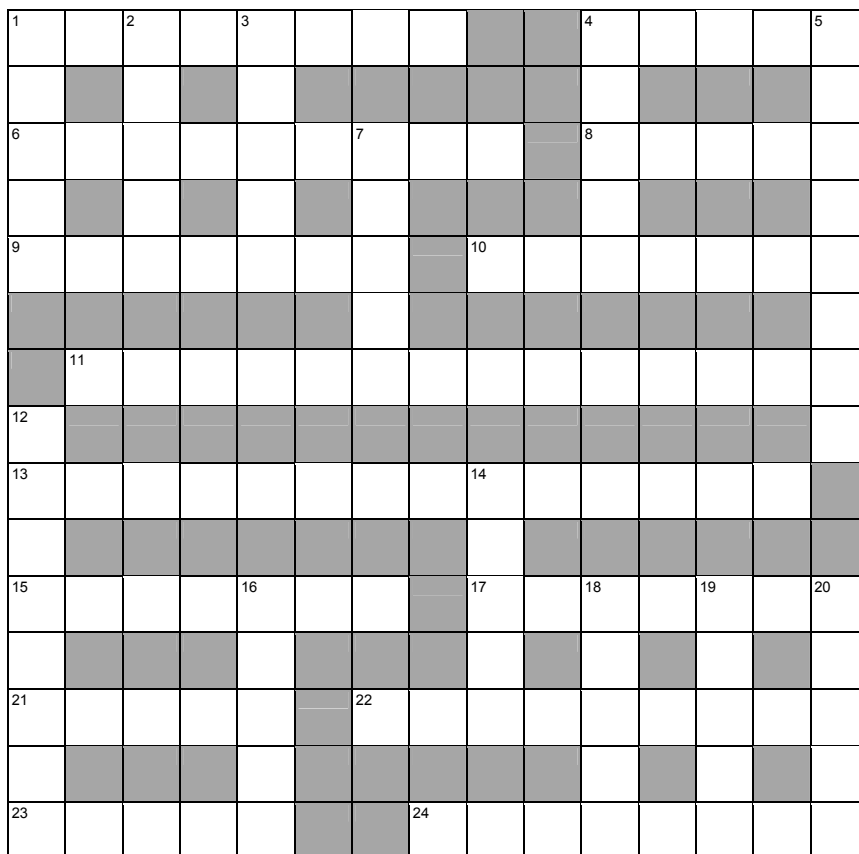
### Chem 13 News' first crossword, Reprinted from page 4, September 1968 (Answers will be in the October issue.)

#### Across

- 1, 4 Useful arrangement of the elements (8, 5)  
6, 8 The \_\_\_\_\_ of chromium in  $\text{Cr}(\text{CO})_6$  is zero (9, 5)  
9 Ethylene, for example (7)  
10 Foretell (7)  
11 Napoleon is said to have \_\_\_\_\_, but not in Ontario! (3, 3, 8)  
13 Either  $\sigma$  or  $\pi$  and containing up to two electrons (7, 8)  
15 Retailer of medicinal drugs in England (7)  
17 Canada Goose, American Style! (7)  
21 State of matter (5)  
22 Complementary process to that in 6 across (9)  
23 Not basic to chemists (5)  
24 Emu and cello make this – but in reality the reverse is true! (8)

#### Down

- 1 Prefix meaning light (5)  
2 Lauded without palladium? (5)  
3 Central African Ruminant (5)  
4 Anagram of 8 across — not often used nowadays by chemists (5)  
5 Vote in Ron to find this? (8)  
7 Notions (5)  
12 Graph axis (8)  
14 Madly violent or diseased (5)  
16 River in Pakistan (5)  
18 Sweetener in France (5)  
19 Farewell (5)  
20 Needs to be changed? (5) ■



For all Crostic addicts – don't worry. Gerry's regular crostic will be back in the October issue.