

**“Attempting the Impossible
and Alienating My Colleagues
by Under-representing Their
Great Work”**

Large-scale Structure and Processes.

- Satoko Takahashi-Fragmentation in OMC-2/3.
- P.S. Teixeira-1.3 mm study of compact sources.

Medium-scale Structure and Processes.

- Orion's Veil-Nick Abel's spectroscopic analysis and Paul van der Werf's HI study.
- O'Dell's spectroscopic study of the EON.
- The Bright Bar-Heddy Arab (Herschel) & Yago Ascasibar (Modeling).
- PDR outside the Bright Bar-Bob Rubin.
- Gary Ferland's cloudy rent-free tool-shop.
- Dynamics of the ionized gas-Will Henney
- M43-Jorge Garcias-Rojas

Fine-scale Structure and Processes.

- Multi-Aperture Spectroscopy with PPAK (Christophe Morisset) and PMAS (Manuel Nunez-Diaz and Adal Mesa-Delgado).
- Proplyd modeling- Nahiely Flores-Fajardo.
- Hydrogen Line-sequence Ratios-Valentina Luridiana.
- Using emission-line observations to determine the shape of the Lyman Continuum-Roman Korytko.

Abundances.

- Temperature fluctuations and by-passing them through the use of recombination lines (Manuel Peimbert, Cesar Esteban, Antonio Peimbert).
- Abundances in the proplyds (Yiannis Tsamis).
- Stellar Abundances (Sergio Simon-Diaz).
- An accurate Ne/H ratio (Bob Rubin).

Stars and Compact Sources.

- The BN-KL and Orion-S Centers of Activity-(Karl Menten and Luis Zapata).
- The Orion-S6 binary star outflow source (Andre Sobolev).
- Binarity of Stars in Orion (Monika Petr-Gotzens).
- Gravitational Interactions (Christoph Olczak).
- Radio and X-ray stars (Jan Forbrich).

Trends and Progress.

- Multi-aperture spectroscopy.
- High resolution-faint line spectroscopy.
- Progressively better mm resolution.
- Adaptive optics IR resolution.
- Continuously improved “cloudy”.

What is missing?

- What is the source of the non-thermal line broadening?
- An accurate Sulphur abundance.
- Recognition that most HII regions are variations on the theme of Blisters-Champagne Flows rather than Stromgren Spheres.
- Consideration of back-scattering by dust in the PDR.
- Hydrostatic flow in photoionization codes.

The Orion Nebula-A 50 Year Study.

- I trained with the late D.E. Osterbrock and Rudolph Minkowski, both experts on gaseous nebulae.
- My approach is that one must understand the best example of a class of objects before generalizing about more distant samples.
- The mechanisms operating in Orion almost certainly apply to the more distant objects.

Put your hands together for:

- Joanna Mikolajewska, Ryszard Szczerba, Magdalena Otulakowska-Hypka, and Natasza Siodmiak.
- Grazyna Stasinska, Gary Ferland, Karl Menten, Manuel Peimbert, Michal Rozyczka, and Lynne Hillenbrand.
- Joe Smak and Bohdan Paczynski.