

# Biological Illustration

## I. A Bit of History about the Instructor

Dr. Braithwaite was offered a scholarship in art at a university, but he turned it down. This was because he was unwavering in wanting to become a marine biologist that specialized in the study of invertebrate animals. Over the years he has often been able to utilize his artistic skills to illustrate his biological publications. He is presently writing and illustrating a major tome on the Invertebrate Animalia. When this work is completed there will be nearly 300 original plates of mainly inked lines and stippled shading. In a sense, he is both an artist and an illustrator; an illustrator in that all details and dimensions are extremely accurate. His plates are very artistic. He has carefully observed the natural movements and poses of his subjects while SCUBA diving and in aquaria. His drawings are noted for their graceful lines and their life-like depictions. Dr. Braithwaite skillfully applies 3-dimensional shading in his drawings that is mainly applied with stippled ink, the method most preferred by publishers.

## II. In the course, students will learn how to make the following kinds of illustrations:

1. Black ink lined and stippled illustrations
2. Dry brush ink illustrations
3. Dry brush graphite illustrations
4. Black on white scratch illustrations
5. Coquille board illustrations

Dr. Braithwaite will share his illustrating skills with students attending the Biological Illustration Course. He will provide both class demonstrations and one-on-one suggestions.

## III. Students of the Biological Illustration course should bring to the first class the following items:

1. Box or bag for art supplies
2. Envelope with a flap for your portfolio (~ 9" x 12")
3. Sketch pad with a hard back (9" x 12")
4. Small plastic pencil sharpener

## IV. Students will need to purchase a number of art supplies for the course. They will be available at OIMB for purchase at the beginning of the first class. The supplies include:

1. Soft graphite, not charcoal, pencil

2. 2H pencil
3. Soft white eraser
4. Kneadable eraser
5. Smudge stick(s)
6. Fine sand paper board to make graphite powder
7. Black pen-brush ink
8. Illustration pens, e.g., Uniball-micro, Pilot Razorpoint, et al (2 sizes—extrafine and size 0.5)
9. Scratchboard, black on white
10. Scratchboard pen holder with a scratch nib
11. White illustration board, medium thickness, hot press
12. Tracing vellum
13. Water color brushes (000 and larger)
14. Staedtler Drawing Companion Kit

**This material will cost approximately \$20.**