

TEACHER'S EDITION — ERRATA SHEET



Dear Teacher:

Despite a thorough editorial, technical and proofreading process, some errors have appeared in the first editions.

Following is an errata sheet for the first edition of the *Active Physics Teacher's Edition for Communication*. This sheet indicates errors or improvements we have identified at this point, but were unable to correct or change on the first run.

Page 20

For You to Do, step 11

Divisions on index card should read: 2.0 cm, 1.5 cm, 1.0 cm, 0.5 cm, 0.0, -0.5 cm, -1.0 cm, -1.5 cm, -2.0 cm

Page 54

Point out to the students that pin 8 leads to a 9-V battery, as shown in the diagram on pg. 55.

Page 67

For You to Read, diagram

The only dotted lines on the right side of the mirror should be the ones emerging from the image of the nose.

Page 94

For You to Read

Index of refraction: $n = \frac{\sin \angle i}{\sin \angle R}$

Page 113

The colors in the overlapping areas are incorrect. They should all be left blank so that the students may label the resulting colors. See Physics To Go 6. a), answer in the Teacher's Edition.

Page 116

Physics You Learned

$n = \frac{\sin \angle i}{\sin \angle R}$

Page 157 - page 159

In student text, two steps have been labelled as step 6. The second should be step 7, and the following steps should be renumbered. This will also affect the numbering of the answers in the TE.

Page 178

For You to Read

To simplify the language, a misconception has been introduced. Charges flow, not currents. You may wish to point this out to your students.

Page 188

Stretching Exercise

You can try this stretching exercise with a laser as the light source. If you do, mount each end of the light pipe securely. At the end where the laser beam emerges, place a file card a few centimeters away, so students can see the beam on the file card (and have no temptation to stare into the end of the light pipe).

Page 252

For You to Read

We do not mean to imply that the difficulty of making large lenses led to the development of the reflecting telescope. Rather, the difficulty of making large lenses led to the need for the development of the reflecting telescope.

Page 253

Physics to Go, question 5. b)

The mirror of the Mt. Palomar telescope is 200 inches across.

Page 281

What Do You Think?

The statement should read: All the nuclei (atomic) in your body were created in the stars.

Page 285

Physics to Go, question 1. a)

Take your spectroscope home. . .

It's About Time Publishing, the authors, and the American Association of Physics Teachers are striving to provide you with the most accurate and useful teacher's materials possible. We are striving for perfection, therefore your comments and suggestions are always extremely important to us. We welcome your suggestions on how to make this product meet your classroom needs even better. Please address your comments to:



84 Business Park Drive • Armonk, NY 10504
1-888-698-TIME • www.ITS-ABOUT-TIME.com