

model errors. It sets the problem differently from the original presentation by Backus and Gilbert. The chapter illustrates well the difficulty of arriving at a definitive estimation of the error bounds to be imposed on a model.

The last chapter treats the nonlinear problems, which cover nearly all questions of interest in seismology, for example. Because the nonlinearity requires that we must begin with a starting model (initial guess), the

data space approach becomes academic, since the starting model must be formulated in the model space. This is true even if the starting model is as trivial as a constant value along the profile, which may be inadequate in many cases. In my opinion, the exposition of the issues related to the nonlinear inverse problems is insufficient given their relative importance in geophysics.

Despite these reservations, which to a large extent reflect my own expe-

riences with mostly seismological inverse problems, I enjoyed very much reading the book. It is well written and reflects the author's delightful sense of humor. I found it useful in teaching, although students being exposed to inverse problems for the first time should be told that there are other ways in which an informative solution can be obtained.

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Correction

October, page 68—The hardcover price of *Fractal Concepts in Surface Growth* by Albert-László Barabási and H. Eugene Stanley (Cambridge U. P., 1995) is \$69.95 (ISBN 0-521-48308-5); the paperback (ISBN 0-521-48318-2) is \$27.95.

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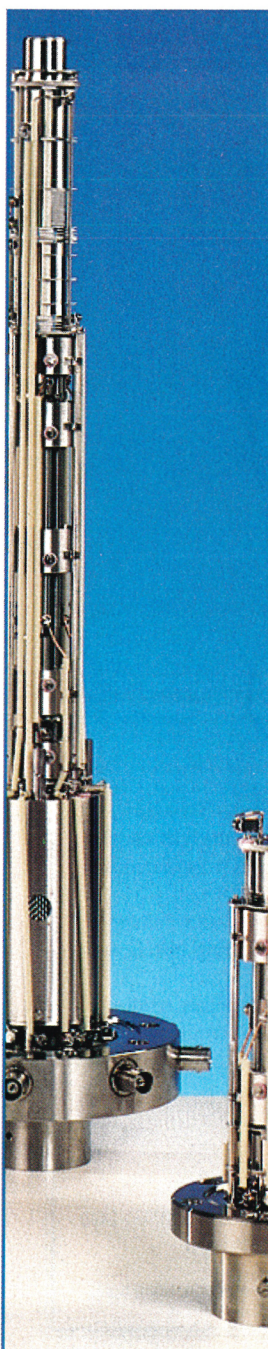
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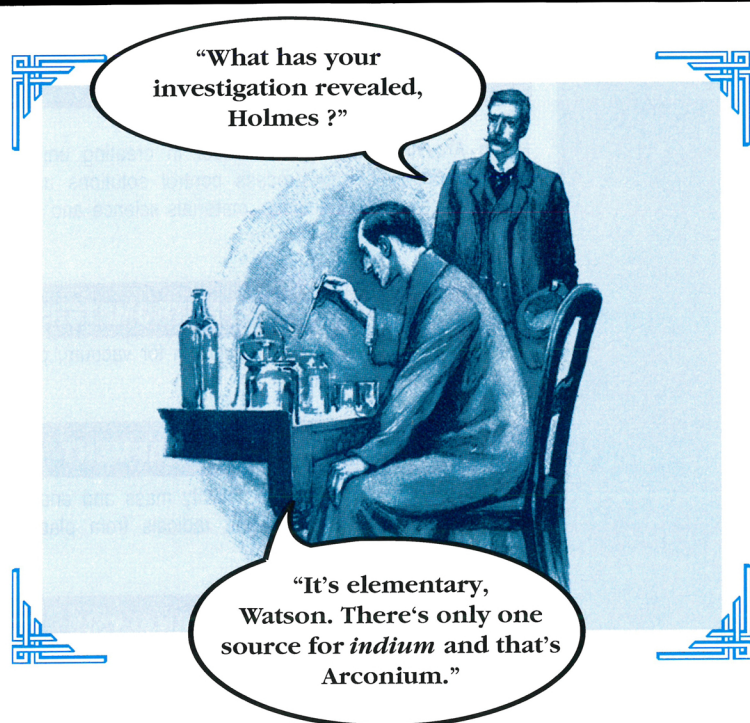
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