

Hayden Applesoft™ Compiler A Brand New Multi-Phase Compiler That Speeds Your Program Up to 12 Times Faster — And More!

(by Jonathan Eiten) Translate your standard Applesoft BASIC program into true machine code! Now you can write and debug your programs in Applesoft BASIC, compile them and enjoy the speed inherent in executing machine language files! The longer and more complex the source program, the greater the increase in execution speed. Easy to operate, the user just specifies the name of the program to be compiled and may then BRUN the compiler program.

• TRUE INTEGER ARITHMETIC!

Sub-expressions with integer operand(s) are calculated with fast integer arithmetic routines. RESULT: Faster execution time of Applesoft intrinsics which require integer values!

• ARRAY VECTORING!

The Compiler eliminates time-consuming multiplication usually present in subscript calculation by generating sub-array look-up vectors for multi-dimensional arrays. RESULT: Greater speed enhancement for those programs with many multi-dimensional array references. The more dimensions, the greater the increase in speed.

3.3 DOS Version
Soon To Be Available!

• MODULAR CODE!

Starting address for a compiled module is specified prior to compilation. A CALL to this address executes the program. Adding 2 to the start address executes the program without CLEARing its variable space or RESTOREing its data-pointer. RESULT: Modules can retain their data between CALLS (local variables). Modules may CALL one another and/or may be CALLED from a real Applesoft program running under the interpreter.

• FULL COMPATIBILITY!

All Applesoft features are supported except: 1) dynamic array dimensioning, and 2) those few statements that no longer make sense outside of an interpreter environment, such as LIST and TRACE. RESULT: In executing the source program, the fact of compilation is transparent to the user.

• SYSTEM REQUIREMENTS:

The Hayden Applesoft Compiler requires 48K of RAM, Applesoft, the Autostart ROM, and at least one disk drive. No other hardware is required, and the product WILL operate in a 64K environment, with a RAM card or Language card, but there will be no increase in compiler space, since the Compiler makes CALLS to the Applesoft ROMs.

#08809, Apple II Disk, \$200



Available at your local computer store!

For Orders and Inquiries Call Toll Free

HAYDEN HOTLINE 800-631-0856

The Solution to
A Long Standing Dilemma!

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50 Essex Street, Rochelle Park, NJ 07662

Remember me? I'm Nathan Pritikin. Since 1979, *The Pritikin Program for Diet & Exercise* has sold over 400,000 hardcover copies and has helped change the eating habits of America. The book told of the appalling numbers of people who are eating themselves into degenerative diseases and death—people who, with proper dietary habits, reverse the problems of heart disease, diabetes, hypertension, arthritis—even certain cancers—or avoid them completely.

And now I've written a book especially for people who have problems with excessive weight—**The Pritikin Permanent Weight-Loss Manual**.

Why Another Diet Book?

We all know of the many weight-loss methods obese people will resort to in desperation: high-protein diets, grapefruit diets, amphetamines, even jaw-wiring—some of which produce dramatic results—but only temporarily. Most are so nutritionally inadequate that they require massive vitamin supplements and constant medical supervision. In some cases, fad diets have caused sudden death! The Pritikin Permanent Weight-Loss Manual exposes them all and also explains why they do not yield lasting results.

The Pritikin Permanent Weight-Loss Manual

In my five years as director of the Pritikin Longevity Center, I

have seen more than 7,000 people come through our program, and two-thirds of them were overweight! A lower-calorie version of the Pritikin Program Diet that enabled them to eat well while shedding pounds can also help you achieve weight loss—safely, painlessly, permanently.

Man's natural diet—the diet that keeps people slim and free of degenerative diseases—is a diet high in unrefined carbohydrate foods. My acclaimed dietary program which has achieved such notable success in restoring people with degenerative diseases to good health is based on a wide-ranging, highly palatable, practical cuisine that uses large amounts of natural whole carbohydrate foods and safe amounts of fat-free or low-fat dairy and animal foods.

Now, using this approach, you can follow my complete, step-by-step plan for weight loss, good health, and good eating—a plan that is flexible enough for the diverse lifestyles of contemporary Americans. The diet has been calculated at four different caloric levels so you can safely lose weight as quickly or as gradually as you like, regardless of your frame and/or physical activity.

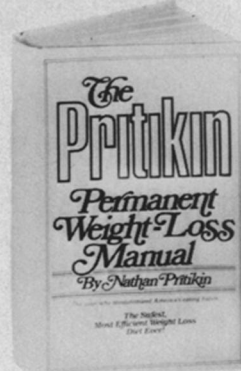
Even if you need to lose 100 pounds, you can stay on the diet for a year and be assured of good nutrition. The Pritikin Weight-Loss Diet, even at its lowest caloric level, meets or surpasses the U.S. Recommended Dietary Allowances (RDAs) for protein, vitamins and minerals.

What's In It For You?

In my new book, **The Pritikin Permanent Weight-Loss Manual**, you'll find:

- Guidance in planning your own weight-loss timetable.
- A fourteen-day menu plan based on four different caloric intake levels, plus a special "No Fuss" menu for the most determined noncook.
- Tips on "Free-Form Dieting"—a valuable technique for non-conformists who balk at following menu plans and using recipes.
- Practical hints on organizing your kitchen, shopping, cooking, and dining out.
- A supplementary, practical exercise program that will pleasantly speed your weight loss.
- Details on how to maintain your ideal weight, eating happily and healthily without gaining back a pound—unless you need to.
- A chapter addressed to health professionals that includes scientific documentation and a complete nutritional analysis of a typical day's intake on the Pritikin Diet compared with the most recent RDAs.
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