

# Pacifico International Brings:

**NEW**

## Chromium Picolinate 1000 mcg. 1 mg.

Highest Dosage: 5 times the potency of the exact same patented product sold elsewhere in this magazine. U.S. Patent #4,315,927  
100 capsules - \$21.00 200 capsules - \$39.00

**NEW**

**Muscle Explosion™** 6 Capsules - Dibencozide 10 mg, Similax 200 mg, Inosine 1000 mg, Orchic Tissue 100mg, Beta Sitosterol 282 mg, Campesterol 112 mg, Stigmasterol 85 mg, Fucosterol 21 mg, Sereno Serrulata 500 mg, Boron 3 mg, Chromium Pocolinate 200 mcg, Ferulic Acid 200 mg, Vitamin B6 100 mg.  
No other product equals **Power Explosion™**, the Ultimate Supplement  
One box contains 30-3 capsule bags, 1 box - \$31<sup>00</sup> 2 boxes - \$55<sup>00</sup>

## Pure Dibencozide from Europe

This is not just vitamin B-12 that many of you are buying, thinking it's dibencozide. (Full report available). Sub-lingual 5 mg tablets, 100 - \$23, 200 - \$40. Stabilized-release 10 mg dibencozide (passes through your stomach intact). Does not break down until it reaches the upper intestinal tract. **DON'T OVERPAY — COMPARE PRICES**

50 capsules - \$24<sup>00</sup> 100 - \$39<sup>00</sup> 150 - \$59<sup>00</sup> 200 - \$76<sup>00</sup>

**NEW**

## Dibencozide Gold™

Liquid with Ferulic Acid and Boron. Each serving contains 5 mg dibencozide, 35 mg Ferulic Acid, 100 mcg Boron.

2 oz. bottle - \$24<sup>00</sup> 2 bottles - \$45<sup>00</sup>

**NEW**

## Metabolin Gold

Chocolate flavor. Contains no sugar. Fantastic taste.

2.2 lb. can - \$23<sup>00</sup> 2 cans - \$40<sup>00</sup>

## Yohimbe Bark Extract

500 mg, 100 capsules - \$18<sup>00</sup> 200 - \$34<sup>00</sup>

750 mg, 100 tablets - \$24<sup>00</sup> 200 - \$45<sup>00</sup>

1000 mg, 100 capsules - \$35<sup>00</sup> 200 - \$60<sup>00</sup>

**1-800-392-5496**

(OHIO INCLUDED)

2062 Republic Dr., Dayton, Ohio 45414

COD • VISA • MASTERCARD

Add \$2<sup>00</sup> postage FAX: 1-513-898-6064

# POWERLIFTING USA

VOL.13 NO.1 AUG/89 \$3.50

W.D.F.P.F.

Drug Free WORLDS!

Biggest  
Total In  
History!

Increase  
Your Bench  
Scientifically



## University Studies Reveal

# Patented Nutrient Increases Muscular Gains By Using Your Body's Primary Anabolic Hormone

**Chromium Picolinate, Patent #4,315,927 Has In Two Recent Double-Blind, Placebo Controlled Crossover Studies Demonstrated A Phenomenal Ability To Multiply The Normal Actions Of Insulin, The Body's Primary Anabolic Hormone!**

Insulin has been called "the body's primary anabolic hormone." In effect, it represents the body's signal that energy is available to support the biosynthesis of protein. With regard to protein metabolism, insulin exerts important anabolic effects on skeletal muscles and on many other bodily tissues.

Insulin promotes protein build-up in skeletal muscles in at least three ways:

1. It promotes intracellular uptake of free amino acids from the blood (directs Amino Acids from the blood into the muscles).
2. It enhances the rate at which protein is synthesized by accelerating RNA's binding to ribosomes.
3. It decreases the rate of intracellular protein degradation thereby extending protein half-life.

### Before You Read Any Further

Before you read any further, please read the following. Over the past year or two there have been many claims, counter claims, negative articles, and positive articles on natural supplements and their ability to act as a natural anabolic or, if you will, a steroid alternative. We feel once you've read the facts that you will be capable of making much better informed decisions.

### How The Studies Were Done

Here is evidence of a natural supplement that when taken in the proper form will have a natural anabolic effect on the body. In other words, it will help the insulin in your body work for a maximum effect, and produce a significant anabolic effect on your skeletal muscles. Quality, natural supplements work.

In one of two recent studies, a group of football players using Chromium Picolinate as part of a weight-training program, gained an average of 569 pounds in lean muscle mass, while total body fat decreased from 15.8% to 12.2%, a 22% loss in body fat all in a 42 day period.

Part of the group was also given a placebo that they thought was Chromium Picolinate. This group showed virtually no change in lean muscle mass or body fat.

An earlier study was almost as astounding. It involved non-athlete students who were also put on a weight-training program that included Chromium Picolinate. Those receiving Chromium Picolinate gained an average of 3.5 lbs. during the program, almost all of it as lean muscle! Those given the placebo showed insignificant changes.

In other words, those using Chromium Picolinate exploded past those using nothing at all! You can do the same! These studies were conducted by Dr. Gary Evans, a research scientist at **Bemidji State University** in Minnesota.

### Here's How It Works

Unlike anabolic steroids, which can be extremely dangerous, Chromium Picolinate functions in a wholly natural and completely safe manner. Since 9 out of 10 Americans are deficient in chromium, it is likely that the vast majority can experience improved muscle growth simply by consuming optimal amounts of Chromium Picolinate.

We must emphasize again that this is the biologically active form of chromium.

In addition to the tremendous anabolic effect found in these tests, Chromium Picolinate has been found to help in the reduction of cholesterol by regulation of lipid fat metabolism. It also aids in the regulation of glucose metabolism.

### Chromium Picolinate To The Rescue

*Chromium, combined with picolinic acid (picolinic acid is essential for proper use of chromium in your body) makes absolutely sure you get maximum advantage of the proteins and amino acids in your diet.*

This translates into more lean muscle mass and more strength for you. And scientific evidence proves it!

Scientific studies have established that Chromium Picolinate is effective in promoting muscular growth and is hence useful in the strength gains you wish to obtain. Additional studies are being conducted as you read.

And it's available in pure form from Marathon Nutrition.

**Introducing Pure Form Chromo-Mass™**  
Now you can take advantage of the power of pure form Chromium Picolinate. Thus Marathon Nutrition is proud to introduce **Pure Form Chromo-Mass™**, consisting of 100% pure form Chromium Picolinate—guaranteed. It's available exclusively through Marathon Nutrition and/or its authorized representatives. It's the purest form Chromium Picolinate available (Patent number 4,315,927).

For 15 years, Marathon Nutrition has helped powerlifters like you achieve remarkable results with our nutritional supplements. Our customers continue to buy because they know they can rely on us to give them the best nutritional supplements in a pure, safe, and effective form.

We guarantee your satisfaction as well. If you're not satisfied for any reason, please call us within 30 days to arrange a prompt and efficient refund or exchange—no questions asked, no hard feelings.

### Call Today and Save

So if you'd like to enjoy the latest breakthrough in strength and muscle growth, then try **Pure Form Chromo-Mass™** from Marathon Nutrition. Each capsule contains: 200 mg\* of Chromium Picolinate, 50 capsules \$99, 100 capsules \$149, 250 capsules \$339.  
\*Maximum legal dosage per capsule allowed by law.

Don't waste any time. Phone today! Our toll free number is:

1-800-321-5064  
(In CA 1-800-231-4070)

We accept Visa and MasterCard and C.O.D. Orders. If you desire 2nd day air delivery include \$5<sup>99</sup> for shipping.

If you prefer to write, simply fill out the order coupon, and send it to Marathon Distributing Co., 1229 Via Landeta, Palos Verdes Estates, CA 90274.



© COPYRIGHT APRIL 1989 MARATHON NUTRITION. ALL RIGHTS RESERVED. NO REPRODUCTION OR UTILIZATION OF THIS AD OR ITS PARTS IS PROTECTED UNDER THE COPYRIGHT LAWS OF THE UNITED STATES.

Here's How To Order: Call 1 (800) 321-5064

In California (800) 231-4070

## Powerlifting USA Post Office Box 467 Camarillo, CA 93011

Editor-in-Chief Mike Lambert  
International Editor Andy Kerr  
Feature Editor Dr. Ken Lesner  
Training Editor Ron Fernando  
Research Editor Dr. Tom McLaughlin  
Sports Medicine Editor William Taylor MD  
Subscription Services Jean Lambert  
Graphics/Layout In Joo Lambert  
Statistician Herb Glosbrenner  
Publisher Mike Lambert

...the most important people in the production of this publication are the many hundreds of lifters, fans, meet directors, advertisers, and administrators who have made enormous contributions to its success...through their own love for the sport...this is their magazine.

POWERLIFTING USA (ISSN 0199-8536) is published monthly for \$26.95 per year. The office is located at 24000 Via Landeta, Suite 620, Camarillo, CA 93010 and classified advertising is paid at Camarillo, CA and at additional offices.

POSTMASTER: Send change of address notices and undeliverable copies to POWERLIFTING USA, PO Box 467, Camarillo, California 93011.

SUBSCRIPTION RATES: (US funds only)  
USA addresses, 1 yr.....\$26.95  
USA addresses, 2 yr.....\$49.95  
First Class Mail, USA, 1 yr.....\$46.00  
Outside USA, surface mail.....\$36.00 US  
Outside USA, air mail.....\$72.00 US

POWERLIFTING USA advertising rates available upon your request.

## TABLE OF CONTENTS

Volume 13, Number 1 • August, 1989

WDPF WORLDS.....	Mike Lambert.....	8
NUTRITION CONCEPTS.....	George Zangas.....	10
APF JUNIOR NATIONALS.....	Doug Daniels.....	12
USPF JUNIOR NATIONALS.....	Mike Lambert.....	13
DR. DARYL JOHNSON.....	Bob Tabaka.....	14
WORLDS STRONGEST PREVIEW.....	Derek FitzGerald.....	15
TOP 100 MIDDLEHEAVIES.....	E. Jean Lambert.....	18
STRETCHMARK MACHINE.....	Paul Kelso.....	19
WORKOUT OF THE MONTH.....	John Ware.....	20
MORE FROM KEN LEISTNER.....	Dr. Ken Leistner.....	22
SLY IS STRONG.....	Gayle Hall.....	24
JOE BRACA INTERVIEW.....	Bob Gaynor.....	27
ASK THE DOCTOR.....	Mauro Di Pasquale MD.....	32
QUESTION & ANSWER.....	Roger Estep.....	33
COMPETITION PACKING.....	Frank Langhorst.....	34
SOLE OF THE MATTER.....	Ron Fernando.....	35
DR. JUDD.....	Biasiotto/Ferrando.....	36
GARY DRIGO.....	Barry Herman.....	38
WORKOUT RECOVERY.....	Jeff Chorpennig.....	40
USPF PRESIDENT'S MESSAGE.....	Dr. Conrad Cotter.....	46
UNCLASSIFIED ADS.....		71
ADPPA TOP 20 123s.....	E. Jean Lambert.....	74
COMING EVENTS.....		79

ON THE COVER...Mike Bridges gutting out a 738 pound world record pull at the WDFPF World Championships

NEXT MONTH...Triple Seniors issue - USPF, APE, ADPPA!

© 1989 Powerlifting USA

Reproduction of this magazine, in whole or part, is prohibited without written consent. Opinions expressed herein are those of the writer only, and may or may not be in agreement with PL USA

## POWERLIFTING USA Magazine

### ALL PURPOSE SUBSCRIPTION FORM

Name \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_

YES! SIGN ME UP!  
Check one:

NEW

RENEWAL

Address Change

(indicate previous address)

\$26.95 for 12 monthly issues,  
\$49.95 for 24 months (save 14.6%)

Payable to: "Powerlifting USA"  
Box 467, Camarillo, CA 93011.

# WDFPF WORLDS

as seen by PL USA Editor, Mike Lambert



**What Spirit!** The British team in particular lifted, cheered, and kidded around exuberantly well. Seen in this photo are (left to right) Ian Tudor, Derek Strickland, Chris Pinn, Melissa Brier, Colin Judd, Alan Gutteridge, Graham Pinn, John Guern, the British Champion and Coach of the team. At award time, John Guern, the British Champion and Coach of the team, broke out the bagpipes and played and played, doing the same when the American team was up on the stand. On the way into the meet, he even gave an impromptu concert at O'Hare Airport, which was so lengthy that he was politely asked to cease. After the meet at the host hotel, he was found trying to do one armed pullups on the revolving entryway!

again so soon after their drug tested triumph in Florida. This was, of course, a drug tested meet, with an emphasis on the urine samples taken. Reported on the meet was controversy about where the samples would be evaluated, with some nations desiring that the testing be conducted by one of the IOC labs. Because of the 'youth' of the organization, the current list of world records were easy pickings, and records fell like rain, on these two beautiful, clear, early summer days in Chicago. Smiling and busy, Judy Gedygy lifted well and assisted in many ways, also where at the meet. Tracy Beard also won comfortably and heeded when her lifting was over. Nancy Pierce, who had her first world title, but her last deadlift must have resulted in some 'muscle awareness' afterwards, in the words of Judy Gedygy. She faced the screaming intensity of Evelyn Debosse of France, who had more left than her 4th attempt 341 deadlift, however, she was heavier than Naomi. Susan Brooker of Great Britain is the married daughter of WDFPF President Ken Smith, who formerly competed as Susan Smith in BAWLA and IPF competitions. She was pregnant last year and, thus, did not compete. Her husband, old Andrew watched her lift this time.



**Clara Kasbarian of France** bench pressed with profound explosiveness, all the way up to 264, while weighing but 136.5, but collapsed on the platform with a wrenching back injury after bravely taking her only deadlift try.

The World Drug Free Powerlifting Federation is a new organization, and this World Championship was only the 2nd in its history. Through there are a few areas where the rough spots show, the innate enthusiasm of the lifters and enthusiasts overflows with energy, making the overall look of prospects, present and future, for the group seem quite positive. Several countries, were represented, and some of the faces would be familiar to competitors and officials in the IPF. In their own right, the national federations have considerable experience, but a few seemed to be near-noices.

Dennis and Sandi Brady and all their numerous helpers from their B&W Gym membership and the surrounding Chicago area put on the meet, on behalf of the American Drug Free Powerlifting Association. There were many of the traditional and excellent Brady touches to the presentation, though the crowd seemed a bit lighter than for their ADFFPA Nationals at the same site in 1987.

Certainly the foreign lifters should be congratulated for making the effort and assuming the risk, because many of their national governments are probably financially supporting a different federation at this time. Although American lifters dominated the event, they too deserve some special consideration. As reported in the July edition of PL USA, the female team members for the USA, contingent at this meet were selected at the ADFFPA Women's Nationals, contested less than two months prior to the world event, and the male team members were selected at the ADFFPA Men's Nationals, but only a few days before the world event.

Some of the men lifters took it easier than they normally would have for this reason, and some of the women did very well despite the need to peak

again so soon after their drug tested triumph in Florida. This was, of course, a drug tested meet, with an emphasis on the urine samples taken. Reported on the meet was controversy about where the samples would be evaluated, with some nations desiring that the testing be conducted by one of the IOC labs. Because of the 'youth' of the organization, the current list of world records were easy pickings, and records fell like rain, on these two beautiful, clear, early summer days in Chicago. Smiling and busy, Judy Gedygy lifted well and assisted in many ways, also where at the meet. Tracy Beard also won comfortably and heeded when her lifting was over. Nancy Pierce, who had her first world title, but her last deadlift must have resulted in some 'muscle awareness' afterwards, in the words of Judy Gedygy. She faced the screaming intensity of Evelyn Debosse of France, who had more left than her 4th attempt 341 deadlift, however, she was heavier than Naomi. Susan Brooker of Great Britain is the married daughter of WDFPF President Ken Smith, who formerly competed as Susan Smith in BAWLA and IPF competitions. She was pregnant last year and, thus, did not compete. Her husband, old Andrew watched her lift this time.

again so soon after their drug tested triumph in Florida. This was, of course, a drug tested meet, with an emphasis on the urine samples taken. Reported on the meet was controversy about where the samples would be evaluated, with some nations desiring that the testing be conducted by one of the IOC labs. Because of the 'youth' of the organization, the current list of world records were easy pickings, and records fell like rain, on these two beautiful, clear, early summer days in Chicago. Smiling and busy, Judy Gedygy lifted well and assisted in many ways, also where at the meet. Tracy Beard also won comfortably and heeded when her lifting was over. Nancy Pierce, who had her first world title, but her last deadlift must have resulted in some 'muscle awareness' afterwards, in the words of Judy Gedygy. She faced the screaming intensity of Evelyn Debosse of France, who had more left than her 4th attempt 341 deadlift, however, she was heavier than Naomi. Susan Brooker of Great Britain is the married daughter of WDFPF President Ken Smith, who formerly competed as Susan Smith in BAWLA and IPF competitions. She was pregnant last year and, thus, did not compete. Her husband, old Andrew watched her lift this time.

again so soon after their drug tested triumph in Florida. This was, of course, a drug tested meet, with an emphasis on the urine samples taken. Reported on the meet was controversy about where the samples would be evaluated, with some nations desiring that the testing be conducted by one of the IOC labs. Because of the 'youth' of the organization, the current list of world records were easy pickings, and records fell like rain, on these two beautiful, clear, early summer days in Chicago. Smiling and busy, Judy Gedygy lifted well and assisted in many ways, also where at the meet. Tracy Beard also won comfortably and heeded when her lifting was over. Nancy Pierce, who had her first world title, but her last deadlift must have resulted in some 'muscle awareness' afterwards, in the words of Judy Gedygy. She faced the screaming intensity of Evelyn Debosse of France, who had more left than her 4th attempt 341 deadlift, however, she was heavier than Naomi. Susan Brooker of Great Britain is the married daughter of WDFPF President Ken Smith, who formerly competed as Susan Smith in BAWLA and IPF competitions. She was pregnant last year and, thus, did not compete. Her husband, old Andrew watched her lift this time.

again so soon after their drug tested triumph in Florida. This was, of course, a drug tested meet, with an emphasis on the urine samples taken. Reported on the meet was controversy about where the samples would be evaluated, with some nations desiring that the testing be conducted by one of the IOC labs. Because of the 'youth' of the organization, the current list of world records were easy pickings, and records fell like rain, on these two beautiful, clear, early summer days in Chicago. Smiling and busy, Judy Gedygy lifted well and assisted in many ways, also where at the meet. Tracy Beard also won comfortably and heeded when her lifting was over. Nancy Pierce, who had her first world title, but her last deadlift must have resulted in some 'muscle awareness' afterwards, in the words of Judy Gedygy. She faced the screaming intensity of Evelyn Debosse of France, who had more left than her 4th attempt 341 deadlift, however, she was heavier than Naomi. Susan Brooker of Great Britain is the married daughter of WDFPF President Ken Smith, who formerly competed as Susan Smith in BAWLA and IPF competitions. She was pregnant last year and, thus, did not compete. Her husband, old Andrew watched her lift this time.

again so soon after their drug tested triumph in Florida. This was, of course, a drug tested meet, with an emphasis on the urine samples taken. Reported on the meet was controversy about where the samples would be evaluated, with some nations desiring that the testing be conducted by one of the IOC labs. Because of the 'youth' of the organization, the current list of world records were easy pickings, and records fell like rain, on these two beautiful, clear, early summer days in Chicago. Smiling and busy, Judy Gedygy lifted well and assisted in many ways, also where at the meet. Tracy Beard also won comfortably and heeded when her lifting was over. Nancy Pierce, who had her first world title, but her last deadlift must have resulted in some 'muscle awareness' afterwards, in the words of Judy Gedygy. She faced the screaming intensity of Evelyn Debosse of France, who had more left than her 4th attempt 341 deadlift, however, she was heavier than Naomi. Susan Brooker of Great Britain is the married daughter of WDFPF President Ken Smith, who formerly competed as Susan Smith in BAWLA and IPF competitions. She was pregnant last year and, thus, did not compete. Her husband, old Andrew watched her lift this time.

again so soon after their drug tested triumph in Florida. This was, of course, a drug tested meet, with an emphasis on the urine samples taken. Reported on the meet was controversy about where the samples would be evaluated, with some nations desiring that the testing be conducted by one of the IOC labs. Because of the 'youth' of the organization, the current list of world records were easy pickings, and records fell like rain, on these two beautiful, clear, early summer days in Chicago. Smiling and busy, Judy Gedygy lifted well and assisted in many ways, also where at the meet. Tracy Beard also won comfortably and heeded when her lifting was over. Nancy Pierce, who had her first world title, but her last deadlift must have resulted in some 'muscle awareness' afterwards, in the words of Judy Gedygy. She faced the screaming intensity of Evelyn Debosse of France, who had more left than her 4th attempt 341 deadlift, however, she was heavier than Naomi. Susan Brooker of Great Britain is the married daughter of WDFPF President Ken Smith, who formerly competed as Susan Smith in BAWLA and IPF competitions. She was pregnant last year and, thus, did not compete. Her husband, old Andrew watched her lift this time.

# WDFPF WORLDS/17, 18 JUN 89/Chicago, Illinois

Women	SQ1	SQ2	SQ3	BP1	BP2	BP3	Sub	DL1	DL2	DL3	Total
97 lbs.											
Gedney USA	248	259	264	143	148	154	413	281	303	308	722
104 lbs.											
Reardon USA	242	264	281	137	146	179	418	242	270	303	688
111 lbs.											
Bohannon GB	410	393	331	99	104	104	320	198	220	231	550
111 lbs.											
Prince USA	253	275	286	126	137	143	429	292	314	336	766
122 lbs.											
Debosse FRA	264	286	308	121	126	137	424	286	308	336	733
116 lbs.											
Brooker GB	242	264	264	148	159	165	402	242	264	286	666
122 lbs.											
Garner USA	297	325	347	126	137	143	490	308	341	363	854
122 lbs.											
Plouvier BEL	164	286	297	143	154	154	429	286	303	314	733
122 lbs.											
Bundt GB	176	220	242	154	165	165	385	176	220	242	562
122 lbs.											
Hinman USA	248	281	297	121	126	132	407	314	336	358	766
122 lbs.											
Lemouille FRA	264	306	306	137	148	148	407	275	303	363	744
122 lbs.											
Edmunds GB	209	231	231	121	126	132	358	264	286	303	681
129 lbs.											
Fairmire GB	253	277	281	126	132	132	407	275	303	363	744
129 lbs.											
Cadre FRA	242	264	286	137	148	148	435	286	308	319	744
129 lbs.											
Johnson GB	231	253	264	121	126	126	380	308	347	347	688
139 lbs.											
Woronyetie USA	336	336	336	126	132	132	407	275	303	363	744
139 lbs.											
Stevens USA	380	413	429	154	165	170	578	385	424	451	1029
144 lbs.											
Kasbarian FRA	286	319	330	126	137	143	595	352	352	352	947
144 lbs.											
Morales BEL	198	220	231	121	132	132	352	264	286	303	655
144 lbs.											
Sanways GB	198	220	231	110	115	115	341	286	303	319	644
144 lbs.											
Woronyetie GB	231	253	264	99	104	104	369	242	264	286	633
144 lbs.											
Pierce USA	413	446	446	231	237	237	644	462	485	496	1129
144 lbs.											
Millington GB	275	297	308	143	148	154	457	352	391	396	853
176 lbs.											
Woronyetie USA	402	418	429	214	231	231	661	385	402	413	1063
176 lbs.											
Driggs AUS	286	300	311	176	187	192	507	396	434	440	931
176 + lbs.											
Bonson USA	330	330	341	126	137	148	468	330	352	374	799
176 + lbs.											
Waters USA	418	418	440	220	231	237	655	418	446	446	1074
176 + lbs.											
Detragiula EGY	220	242	264	110	121	132	352	220	264	286	639
114 lbs.											
Cataliano USA	358	380	396	214	237	240	633	374	402	413	1047
114 lbs.											
Price GB	319	336	375	192	203	214	562	407	429	446	992
114 lbs.											
Prosper FRA	242	264	275	143	154	154	418	363	385	396	804
114 lbs.											
Hinman USA	402	402	424	231	242	248	672	429	429	429	1102
114 lbs.											
Ken Westbrook GB	352	374	374	214	225	225	562	440	451	451	1036
114 lbs.											
McCarthy USA	352	374	374	198	209	214	562	330	330	330	892
114 lbs.											
Gutteridge GB	407	429	440	225	237	237	755	462	485	496	1256
114 lbs.											
Westbrook USA	424	424	418	237	237	237	765	451	473	496	1251
114 lbs.											
Benemerito USA	473	479	479	303	330	330	832	551	551	551	1383
114 lbs.											
Bundt GB	396	429	446	275	297	297	727	496	534	551	1262
114 lbs.											
Guern GB	391	352	374	264	281	286	661	507	534	551	1212
114 lbs.											
Lecompte BEL	396	418	418	231	242	248	666	418	446	446	1085
114 lbs.											
Bridges USA	524	534	534	341	358	369	903	650	672	726	1576
114 lbs.											
Mezzanone BEL	562	589	606	297	308	314	914	595	628	679	1584
114 lbs.											
Spice GB	418	462	490	220	237	240	727	518	573	573	1300
114 lbs.											
M. Bridges USA	622	622	622	374	380	424	1047	633	738	785	1785
114 lbs.											
Ambler GB	529	545	556	308	308	325	976	551	573	573	1449
114 lbs.											
Vaughton AUS	518	540	551	292	308	325	825	540	573	595	1364
114 lbs.											
Lebrun FRA	451	496	512	275	286	292	799	540	573	595	1384
114 lbs.											
Bouchour FRA	396	440	462	297	319	330	782	507	573	589	1355
114 lbs.											

# Advanced Concepts in NUTRITION

## Getting STRONGER and Growing Naturally, Part 2

by GEORGE ZANGAS, Marathon Distributing



Last month's article ended by discussing the 4 phase approach to nutritional programming for powerlifters and strength athletes. The 4 categories are the amino acids, growth enhancers, performance enhancers, and micronutrients (vitamins and minerals). Please keep in mind that all the products we recommend work very well on their own, and don't have to be taken as part of a program. Why I emphasize a complete program using products from all 4 categories is that it will bring you optimum results. A quick refresher course: amino acids for muscle repair and growth; growth enhancers to potentiate the body's natural growth chemistry; performance enhancers to enable you to train harder and longer; they are also essential for top performance in competition; vitamins and minerals provide essential micronutrients that are basic to any good nutritional program. Now onto the subject at hand: the 4 phase supplement program for the powerlifter and strength athlete.

**Phase 1 - The Aminos:** There's quite a variety of the amino complexes available in the marketplace today. The best approach here and what we suggest is the Amino Supreme, because of its specially formulated 3-way amino stack. This formula was designed to incorporate the latest information available on amino acids. The first portion of the stack would be branched chain amino acids (50 percent leucine, 28 percent valine, and 22 percent isoleucine). This first portion makes up over 21 percent of the entire potency of the tablet. That's heavy duty! Branched chain amino acids are highly effective in building and rebuilding muscle mass, the kind that leaves a greater strength. They also help produce other amino acids. The second portion of the 3-way stack is the overall 17 amino acid complex. These 17 aminos are ideally proportioned to complement the branched chain amino acids, provide the high nitrogen balance required to affect muscle building and rebuilding. The third portion of this 3-way stack are the aspartates and aspartic acid. They are included as part of the overall complex. To help avoid fatigue and increase muscle action and endurance you can't find a more potent or effective amino acid complex. Each tablet contains 2200 mg of a balance of amino acids never before available. The combination of branched chain amino acids, the overall amino complex, and aspartates make it a remarkable and unbeatable product. The ideal use of Amino Supreme product when you're training hard is 5 tablets 2-3 times per day. One last word on the area of amino acids and that concerns the use of liver tablets, especially 2 gram liver. To provide glandular protein that's added, combine it with your Amino Supreme and you'll be very pleased with the increased results. It is also an excellent source of vital nutrients that will aid in your vitality and endurance. It is recommended use for heavy training: 5 tablets twice a day.

**Phase 2. Natural Growth Enhancers:**

also known as steroid alternatives, are nutrients that act as catalysts in harnessing your body's own growth chemistry. Dibenzozide (coenzyme B12) is a highly effective nutrient that aids in protein and amino acid synthesis and also works at the cellular level to hasten recovery. It's a natural, non-steroidal anabolic agent. We recommend Dibenzozide Supreme 10 mg. It is a capsule with stabilized release, designed to pass the stomach un-disrupted to the upper intestinal tract. For maximum assimilation of Dibenzozide to take place, liquids and sublingual forms are not suggested. They're at least 30 percent inefficient due to dibenzozide's high molecular weight. In addition, liquids are not very stable when it comes to this nutrient. We recommend using 30-50 mg of Dibenzozide Supreme (3-5 capsules daily).

Chromo-Mass, chromium picolinate, is another effective product in this category. It is relatively new, and quite a bit of information is available on its effectiveness in double blind testing for building muscle. This can be used in place of Dibenzozide Supreme, or for that matter, if it's economically feasible, use both as they will complement each other. Recommended ideal use: 600 mg (3 capsules) 2-3 times per day.

The final growth enhancer that I

quite blend of 3 key ingredients. They are: medium chain triglycerides, the preferred energy source for red muscle tissue (primarily found in back and legs); succinates, an energy metabolite; and branching glucose polymers, and advanced form of carbohydrates. Although it's not necessary to use anything with triple strength inosine 1500 mg, combining it with Metaphase will give you even more of a "kick" for training or competition. Metaphase is very effective for recuperation. When taken after training, that is, within 2 hours, it rebuilds muscles with needed nutrients to hasten recovery.

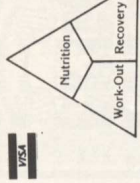
**Phase 4 - The "Micronutrients":** The basics. The vitamins and minerals - they've been overlooked with all of our high-tech nutrition of the last 7-8 years, but they play a very important role in every bodily function from proper adrenal function to carbohydrate metabolism. They also play important roles in protein/amino acid utilization, proper hormonal balance, prevent cramping, and much more. If you think you're getting enough of these nutrients from your daily diet, you'll be surprised to find out you're being drastically short-changed in this basic, but vital area. Our recommendation here is either 1 of the Gold Medal Packs or the latest... in tailored nutrition.

The program that we have just described in Part 2 can be tailored to your needs. Everybody is different, and what we have presented you with in this program are some basics that work very well for everybody. Programs can get very exotic if it's required, but start simply. I must emphasize again, at the end of part 2, what I said earlier, and that is, any product we recommend here works very well on its own and doesn't have to be part of a program if you so choose. But please remember, when all 4 phases of the program are used, it will give you optimum results. If you write us at Marathon Nutrition, we'll be glad to give you a personalized diagram or daily schedule that relates to this program. Just ask us for Report Number 54 and provide us with information relating to the phases of the day you train, and what days of the week you train. Marathon Nutrition, contact us at: Marathon Nutrition, 1229 N. Hollywood Blvd., Pales Verdes Estate, CA 90274, 800-321-5064 or 800-231-4070 (CA).

George Zangas is the founder and owner of Marathon Distributing Company, which specializes in high quality nutritional supplements and apparel for the powerlifting community. George was formerly Western Regional Sales Manager for Thompson Vitamins. He also founded and coached the "Thompson Power Team", the most successful powerlifting team in Senior Nationals history (5 straight team titles from 1976-1980). George is also a member of the Executive Committee of the U.S. Powerlifting Federation. COPYRIGHT 1989, Marathon Distributing Co. Reproduction or utilization of this article or its part is protected under the Copyright Laws of the United States.

# STRENGTH AND FITNESS OF COLORADO, INC.

36 Research Dr.  
Pueblo West, CO 81007  
719-547-2008



## •THE COMPANY

THAT: isolates the movement  
THAT: keeps you from cheating  
THAT: makes you stronger faster.

Prices F.O.B. Pueblo West, CO

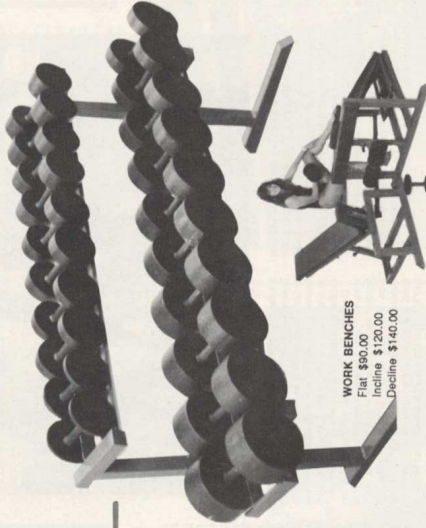
BEHIND NECK PRESS  
-\$190.00



## SOLID STEEL DUMBBELLS

Made in the U.S.A.  
Lifetime Guaranteed

Rack FREE with order of 10 pr. 85¢ per lb.

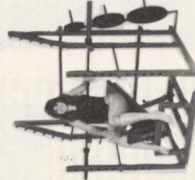


WORK BENCHES  
Flat \$90.00  
Incline \$120.00  
Decline \$140.00

INCLINE BENCH-\$190.00



LEG EXT. & CURL  
ADJUSTABLE-Bench angle allows full range of movement and proper isolation of quadriceps and hamstrings for peak development. Bench back supports knees to prevent cheating. Bench back pivots down and seat angles up to allow leg curls to be done without stress in lower back. \$450.00



•We will custom build to fit your workout area.

SQUAT COMBO-You can do it all by yourself and be safe \$500.00 with 310 weight set \$700.00



HOME UNIT-\$700.00  
•Lat Machine  
•Seated Row  
•Bench  
•Incline Bench  
•Leg Curl & Extension  
•Dip  
•Hip Flex  
•Weight Plate Rack

T-BAR ROW WITH CHEST REST-This bench allows you to isolate the upper body without putting strain on the low back. \$225.00



•You get the same quality equipment for your home that we sell for commercial use.

REVERSE HYPER Develops the lower back, erector muscles and tightens the buttocks \$150.00



# A.P.F. Junior Nationals

as seen and told by DOUG DANIELS



Dave Pasanella guest lifted himself to the biggest total in Powerlifting history and started off by an all time best squat of 1030 lbs. (James Stoxen photos)

## APF JUNIOR NATIONALS

27-28 May 89 - Rosemont, IL

Men	SQ	BP	DL	Total
114 lb	192.5	97.5	177.5	467.5
R. Thompson	140	85	207.5	432.5
H. Sakella	162.5	105	180	462.5
132				
148	182.5	127.5	205	515
J. Thurm	230	135	230	595
R. McLaren	207.5	147.5	215	566
165	207.5	125	222.5	550
A. Berardelli	265	160	262.5	687.5
T. Denton	240	142.5	250	632.5
L. Fatico	237.5	132.5	247.5	610
181				
K. Davis	310	202.5	272.5	785
S. Farnsworth	292.5	170	282.5	745
198	295	205	225	725
T. Kamrad	335	207.5	307.5	850
A. Croone	325	190	310	825
D. Christiansen	287.5	175	320	792.5
J. Troba	295	205	282.5	792.5
M. VanHee	307.5	182.5	295	787.5
D. Meeks	295	192.5	295	782.5
M. Almy	287.5	180	295	762.5
L. Sellers	277.5	177.5	290	745
H. Ruby	262.5	175	292.5	727.5
220				
K. Meeks	375.5	227.5	315	918
D. Mielens	360	182.5	300	782.5
J. Bolt	360	172.5	292.5	765
M. Detwive	305	157.5	300	757.5
S. Hill	277.5	152.5	275	705
C. Maxwell	25	232.5	125	400
242				
R. Helier	347.5	220	295	862.5
D. Connett	335	180	320	835
D. Maratori	347.5	197.5	287.5	832.5
F. Carson	307.5	182.5	300	790
P. Weiss				
275				
R. Steenson	365	210.25	327.5	902.5
L. Seagraves	340	220	310	870
R. Seagraves	337.5	215	310	852.5
N. Tierne	340	210	287.5	837.5
P. Barlow	295	185	272.5	752.5
SHW				
A. Larson	370	245	335	950
S. Brodsky	355	225	330	910
R. Barlow	322.5	227.5	342.5	892.5
K. Gurbal	357.5	177.5	382.5	797.5
GUEST				
D. Pasanella	462.5	260	387.5	1112.5

\*WPC would record.

This year's APF Juniors were held at the Ramada Inn in Rosemont, Illinois and run by Al Falcon, Ken Taylor, and Doug Daniels. The facilities were high quality with more than ample space for spectators and competitors. About 60 lifters chose to compete in the 114 lb. class. The APF Juniors were held at the Ramada Inn in Rosemont, Illinois and run by Al Falcon, Ken Taylor, and Doug Daniels. The facilities were high quality with more than ample space for spectators and competitors. About 60 lifters chose to compete in the 114 lb. class. The APF Juniors were held at the Ramada Inn in Rosemont, Illinois and run by Al Falcon, Ken Taylor, and Doug Daniels. The facilities were high quality with more than ample space for spectators and competitors. About 60 lifters chose to compete in the 114 lb. class.

The women's class had only one competitor, Vicki Lester. She still lifted well totaling 859 pounds. The light classes suffered from light turnout. Randy Burris, a fellow Hoosier, won with a 964 total. Randy had a very difficult time making weight, as last year he lifted at 132, but an illness came close with a WPC deadlift record pull of 490.5. Interestingly, Roger credits barbell lunges as the key to his success. He lifted 244.5 in the PA deadlift king, put up stiff competition and came close with a WPC deadlift record pull of 490.5. Interestingly, Roger credits barbell lunges as the key to his success. He lifted 244.5 in the PA deadlift king, put up stiff competition and came close with a WPC deadlift record pull of 490.5. Interestingly, Roger credits barbell lunges as the key to his success. He lifted 244.5 in the PA deadlift king, put up stiff competition and came close with a WPC deadlift record pull of 490.5.

## USPE JUNIOR NATIONALS

20-21 May 89 - Shawnee, OK (kg)

Men	SQ	BP	DL	Total
H. Garcia	192.5	97.5	175	470
R. Burris	110	92.5	130	340
R. Burris	177.5	100	172.5	450
60 kg				
S. Ryan	195	110	205	510
67 kg	185	115	202.5	502.5
C. Wodraska	250	135	240	645
W. Weaver, Jr.	227.5	147.5	227.5	602.5
S. Jones	262.5	170	247.5	680
S. Zebaji	260	147.5	255	660
T. Stapleton	322.5	195	292.5	815
R. Johnson	272.5	160	315	747.5
T. Springer	290	200	252.5	742.5
S. Murphy				
90 kg				
R. Pittman	327.5	235	337.5	900
G. Bloom	320	195	305	820
G. Bloom	300	177.5	275	752.5
C. Bryant	382.5	238	320	940
100 kg				
S. Elgin	330	205	302.5	837.5
J. Hoffman	337.5	235	335	807.5
D. Mills, Jr.	312.5	190	292.5	795
R. Dabson	280	160	307.5	757.5
110 kg				
P. Gentry	352.5	232.5	357.5	942.5
J. P. Gentry	332.5	212.5	305	852.5
J. Gentry	337.5	195	320	852.5
D. Smith	327.5	220	300	847.5
S. Roderberg	322.5	180	335	837.5
125 kg				
L. Ross	352.5	232.5	357.5	942.5
S. Vogt	340	225	320	885
SHW				
J. Hooser	375	202.5	320	897.5
J. Bonus	362.5	197.5	315	870
G. Johnson	335	212.5	322.5	870
G. Johnson				
Women				
48 kg				
C. O'Neil				
L. Mitchell				
60 kg				
N. Cline	167.5	95	192.5	455
G. Buckner	115	92.5	120	327.5
67 kg				
H. Hoffman	192.5	110	207.5	510

82 kg

Pittman was far and away the class of the 1988. If Greg Bryant hadn't been in the class, he would have averaged his tough 2nd place at last year's APF meet by winning it at 220 one week later, but began his double up act at this meet. Pat Gentry won the 110 kg class, but it was too late to change his opener, and he got it out. Pat is the 10th national champion produced by Dick and wife Karen have not been on the scene lately after being hit from behind, unmeasured a wheelbarrow, by a runaway, unreleased a wheelbarrow. Lance Ross took 2nd last year to John Santos, but returned to win the 275's with 2077. 11 lbs. Hooser had but 4 attempts, but was out of the reach of the rest of his competition in the SHW's. Texans Hillary-Hoffman (Richardson) and Nora Gentry, along with Chris Stronaker of Knoxville, Kansas and Shelby Carson of Waterville, Maine.

Jeff Gross should have been credited with a 425 in the results of the Metro Bench Meet (last issue) and Gary Kaiser's 562 deadlift at 165 was a TOP 100 lift. Andy Kotowski had a 470 bench in June/85 that was the latest one available at the time, and wished to be consistent throughout the series.

## USPE JUNIOR NATIONALS

20-21 May 89 - Shawnee, OK (kg)

Men	SQ	BP	DL	Total
H. Garcia	192.5	97.5	175	470
R. Burris	110	92.5	130	340
R. Burris	177.5	100	172.5	450
60 kg				
S. Ryan	195	110	205	510
67 kg	185	115	202.5	502.5
C. Wodraska	250	135	240	645
W. Weaver, Jr.	227.5	147.5	227.5	602.5
S. Jones	262.5	170	247.5	680
S. Zebaji	260	147.5	255	660
T. Stapleton	322.5	195	292.5	815
R. Johnson	272.5	160	315	747.5
T. Springer	290	200	252.5	742.5
S. Murphy				
90 kg				
R. Pittman	327.5	235	337.5	900
G. Bloom	320	195	305	820
G. Bloom	300	177.5	275	752.5
C. Bryant	382.5	238	320	940
100 kg				
S. Elgin	330	205	302.5	837.5
J. Hoffman	337.5	235	335	807.5
D. Mills, Jr.	312.5	190	292.5	795
R. Dabson	280	160	307.5	757.5
110 kg				
P. Gentry	352.5	232.5	357.5	942.5
J. P. Gentry	332.5	212.5	305	852.5
J. Gentry	337.5	195	320	852.5
D. Smith	327.5	220	300	847.5
S. Roderberg	322.5	180	335	837.5
125 kg				
L. Ross	352.5	232.5	357.5	942.5
S. Vogt	340	225	320	885
SHW				
J. Hooser	375	202.5	320	897.5
J. Bonus	362.5	197.5	315	870
G. Johnson	335	212.5	322.5	870
G. Johnson				
Women				
48 kg				
C. O'Neil				
L. Mitchell				
60 kg				
N. Cline	167.5	95	192.5	455
G. Buckner	115	92.5	120	327.5
67 kg				
H. Hoffman	192.5	110	207.5	510

82 kg

Pittman was far and away the class of the 1988. If Greg Bryant hadn't been in the class, he would have averaged his tough 2nd place at last year's APF meet by winning it at 220 one week later, but began his double up act at this meet. Pat Gentry won the 110 kg class, but it was too late to change his opener, and he got it out. Pat is the 10th national champion produced by Dick and wife Karen have not been on the scene lately after being hit from behind, unmeasured a wheelbarrow, by a runaway, unreleased a wheelbarrow. Lance Ross took 2nd last year to John Santos, but returned to win the 275's with 2077. 11 lbs. Hooser had but 4 attempts, but was out of the reach of the rest of his competition in the SHW's. Texans Hillary-Hoffman (Richardson) and Nora Gentry, along with Chris Stronaker of Knoxville, Kansas and Shelby Carson of Waterville, Maine.

Jeff Gross should have been credited with a 425 in the results of the Metro Bench Meet (last issue) and Gary Kaiser's 562 deadlift at 165 was a TOP 100 lift. Andy Kotowski had a 470 bench in June/85 that was the latest one available at the time, and wished to be consistent throughout the series.



Big John Hooser, trying a 382.5 kg squat at the U.S.P.F. Junior Nationals.

Pittman was far and away the class of the 1988. If Greg Bryant hadn't been in the class, he would have averaged his tough 2nd place at last year's APF meet by winning it at 220 one week later, but began his double up act at this meet. Pat Gentry won the 110 kg class, but it was too late to change his opener, and he got it out. Pat is the 10th national champion produced by Dick and wife Karen have not been on the scene lately after being hit from behind, unmeasured a wheelbarrow, by a runaway, unreleased a wheelbarrow. Lance Ross took 2nd last year to John Santos, but returned to win the 275's with 2077. 11 lbs. Hooser had but 4 attempts, but was out of the reach of the rest of his competition in the SHW's. Texans Hillary-Hoffman (Richardson) and Nora Gentry, along with Chris Stronaker of Knoxville, Kansas and Shelby Carson of Waterville, Maine.

Jeff Gross should have been credited with a 425 in the results of the Metro Bench Meet (last issue) and Gary Kaiser's 562 deadlift at 165 was a TOP 100 lift. Andy Kotowski had a 470 bench in June/85 that was the latest one available at the time, and wished to be consistent throughout the series.

Jeff Gross should have been credited with a 425 in the results of the Metro Bench Meet (last issue) and Gary Kaiser's 562 deadlift at 165 was a TOP 100 lift. Andy Kotowski had a 470 bench in June/85 that was the latest one available at the time, and wished to be consistent throughout the series.

## APF JUNIOR NATIONALS

27-28 May 89 - Rosemont, IL

Men	SQ	BP	DL	Total
H. Garcia	192.5	97.5	175	470
R. Burris	110	92.5	130	340
R. Burris	177.5	100	172.5	450
60 kg				
S. Ryan	195	110	205	510
67 kg	185	115	202.5	502.5
C. Wodraska	250	135	240	645
W. Weaver, Jr.	227.5	147.5	227.5	602.5
S. Jones	262.5	170	247.5	680
S. Zebaji	260	147.5	255	660
T. Stapleton	322.5	195	292.5	815
R. Johnson	272.5	160	315	747.5
T. Springer	290	200	252.5	742.5
S. Murphy				
90 kg				
R. Pittman	327.5	235	337.5	900
G. Bloom	320	195	305	820
G. Bloom	300	177.5	275	752.5
C. Bryant	382.5	238	320	940
100 kg				
S. Elgin	330	205	302.5	837.5
J. Hoffman	337.5	235	335	807.5
D. Mills, Jr.	312.5	190	292.5	795
R. Dabson	280	160	307.5	757.5
110 kg				
P. Gentry	352.5	232.5	357.5	942.5
J. P. Gentry	332.5	212.5	305	852.5
J. Gentry	337.5	195	320	852.5
D. Smith	327.5	220	300	847.5
S. Roderberg	322.5	180	335	837.5
125 kg				
L. Ross	352.5	232.5	357.5	942.5
S. Vogt	340	225	320	885
SHW				
J. Hooser	375	202.5	320	897.5
J. Bonus	362.5	197.5	315	870
G. Johnson	335	212.5	322.5	870
G. Johnson				
Women				
48 kg				
C. O'Neil				
L. Mitchell				
60 kg				
N. Cline	167.5	95	192.5	455
G. Buckner	115	92.5	120	327.5
67 kg				
H. Hoffman	192.5	110	207.5	510

82 kg

Pittman was far and away the class of the 1988. If Greg Bryant hadn't been in the class, he would have averaged his tough 2nd place at last year's APF meet by winning it at 220 one week later, but began his double up act at this meet. Pat Gentry won the 110 kg class, but it was too late to change his opener, and he got it out. Pat is the 10th national champion produced by Dick and wife Karen have not been on the scene lately after being hit from behind, unmeasured a wheelbarrow, by a runaway, unreleased a wheelbarrow. Lance Ross took 2nd last year to John Santos, but returned to win the 275's with 2077. 11 lbs. Hooser had but 4 attempts, but was out of the reach of the rest of his competition in the SHW's. Texans Hillary-Hoffman (Richardson) and Nora Gentry, along with Chris Stronaker of Knoxville, Kansas and Shelby Carson of Waterville, Maine.

Jeff Gross should have been credited with a 425 in the results of the Metro Bench Meet (last issue) and Gary Kaiser's 562 deadlift at 165 was a TOP 100 lift. Andy Kotowski had a 470 bench in June/85 that was the latest one available at the time, and wished to be consistent throughout the series.

## APF JUNIOR NATIONALS

27-28 May 89 - Rosemont, IL

Men	SQ	BP	DL	Total
H. Garcia	192.5	97.5	175	470
R. Burris	110	92.5	130	340
R. Burris	177.5	100	172.5	450
60 kg				
S. Ryan	195	110	205	510
67 kg	185	115	202.5	502.5
C. Wodraska	250	135	240	645
W. Weaver, Jr.	227.5	147.5	227.5	602.5
S. Jones	262.5	170	247.5	680
S. Zebaji	260	147.5	255	660
T. Stapleton	322.5	195	292.5	815
R. Johnson	272.5	160	315	747.5
T. Springer				

# POWER PROFILE

## Dr. Daryl Johnson as told by his friend BOB TABAKA

You're strong, but you aren't tough! You have to be both to compete. Cut back on the weight so you can get six good reps and build up the doubles and triples closer to the contest! When Master Powerlifter, Dr. Daryl Johnson, gives out that kind of advice, serious competitors pay attention! Holder of several national and world titles, not to mention 21 American records, this man knows how to achieve powerlifting success WITHOUT THE USE OF STEROIDS.

In fairness to the rest of us mortals, Dr. D.J. does have a few genetic advantages. Still, he trains long and hard to stay on top at an age when most have long since hung up their lifting shoes. For those of you who think you're over-the-hill in your mid-thirties, you might want to reconsider. Daryl is now 38 and never touched a barbell before the age of 30! His thick and muscular physique is an obvious testimony to the strength he possesses and the years of heavy lifting it takes to become a champion. If there ever was an exception to the aging process, this man is it!

How do you intend to meet Daryl? He's managed to fit Dr. Johnson into his life. Dr. Johnson is from the University of Arkansas at Fayetteville, Arkansas. There he teaches biology, botany, zoology, and weight training. Daryl's prowess and excellence in all he does so it is not surprising that he has been credited

with the former chairmanship of his division and the national presidency of the Gamma Beta Phi Society, an honor and service organization for students.

Even dedicated champions have to have an occasional diversion from the demands of work and heavy training. When Daryl isn't picking and grinning or collecting cowboy boots (he has 18 pairs), he and his lovely wife, Tobey, are touring the U.S. and Canada on a motorcycle. Speaking of Tobey, Dr. Daryl describes her as his inspiration.

The truth is, Tobey inspires many a lifter to properly execute each lift or risk running a red flag. She is a nationally qualified U.S.P.F. referee and a damn good one, too!

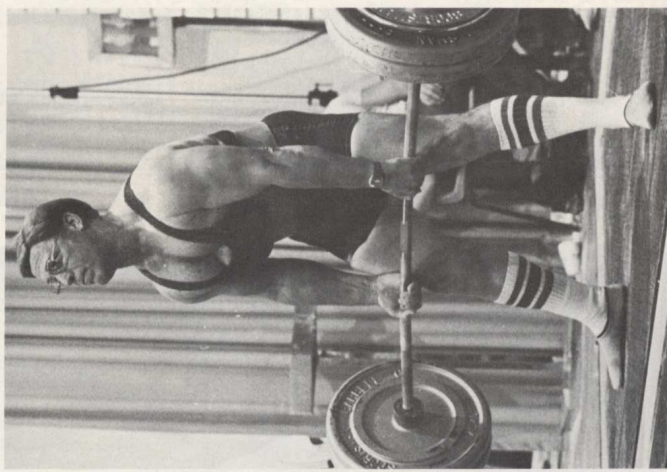
So then, how does a man of such diverse talents and ability approach his training? The same way he does most things, by careful planning and following through. Daryl believes that powerlifting is a sport of success. That means that your body weight and achievement by the greater weight of incremental successes are going the way. You must choose your lifts that are realistic for the paired number of sets and reps you plan to do. Dr. Johnson's training requires that the lifter be more tuned in to moods and energy levels either pushing harder or backing off accordingly. Gaining strength isn't an overnight proposition. One has to be willing to work hard, be patient, and persist!

Daryl believes that a solid lifting foundation can only be built by 5-6 range reps, usually in the 5-6 range. Triples and doubles are done about 4-6 weeks out from a competition in the peaking phase of training. He finds that by multiplying his best training triple by 110%, he can obtain a fairly accurate estimate of his maximum single. Rarely does he do maximum singles in training.

Typically, Daryl trains four days per week, Mondays and Tuesdays are heavy squats and bench presses, along with abdominal crunches and lighter benches and heavy deadlifts plus some strongman events, and Wednesdays are lighter squats and bench presses, and Saturdays are reserved for some lighter deadlifts and strongman events.

Daryl carefully plans his workouts at 3-4 week intervals mapping out the exact sets, reps, and weight he intends to use for each exercise. Such short term planning allows him to make any

a detailed PL USA look at some of the best lifters in the world



Dr. Daryl Johnson pulling a deadlift at the combined IPF World Juniors and Masters Championships way down under in Australia, back in 1984.

necessary adjustments to accommodate increasing strength levels or work out any unforeseen problems. He sticks to his plan as much as possible but isn't opposed to doing a little extra on a little less depending on his energy level.

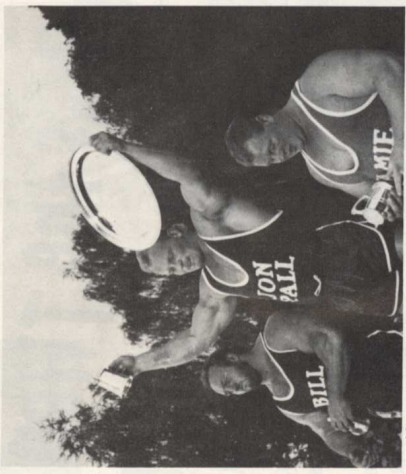
To give you a clearer idea of how Daryl trains, I've listed his actual 10 week training cycle for the deadlift in preparation for last year's National Masters. At that time, he was only deadlifting once per week. He executed his plan perfectly with only three exceptions in weeks 9 and 10. This proves that even the champs have their off days.

WK 1: 145x8, 235x6, 325x6, 425x6, 415x6, WK 2: 145x8, 235x6, 325x6, 415x6, 455x6, 455x6, WK 3: 145x8, 235x6, 325x6, 415x6, 475x6 (got 2), 505x3, WK 4: 145x8, 235x6, 325x6, 415x5, 475x5, 505x5, WK 5: 145x8, 235x6, 325x6, 415x5, 475x5, 505x5, WK 6: 145x8, 235x6, 325x6, 415x5, 475x5, 505x5, WK 7: 145x8, 245x6, 325x5, 415x3, 475x3, 545x3, WK 8: 145x8, 235x6, 325x6, 415x5, 475x4, 505x2, 575x1, WK 9:



Reaping the Awards...another IPF medal!

# Worlds Strongest Man Preview



World Strongest Man 1988 with Kaz 2nd, Jon Pal Sigmarrsson 1st, and Jamie Reeves 3rd. He would be very competitive once again in Spain this August, and these 3 could again be the top finishers, but in what order?

Bill Kazmaier, arguably the strongest man ever to walk the face of the Earth, is now in the twilight of an illustrious career. His contributions to the world of powerlifting are well documented in the record books. His IPF world records set in 1981 still stand unbroken. They are proud achievements - and so they should be. The impact made by the man on the minds of most of us, even though he hasn't competed in powerlifting since 1983. While Kaz will never chalk up, or wrap or wedge his muscular bulk into a lifting suit for another powerlifting meet, his career as a strength athlete is still ongoing. Kaz is still looking for ways to test his talent, and while the events and the venues have changed, the challenge remains - to be the very best that Bill Kazmaier can be.

Replacing the squat, bench, and deadlift are stone lifting, log pressing, barrel loading, truck pulling and any number of other strength testing demands. Kazmaier has never been shy about accepting these challenges and throughout most of his powerlifting career he engaged, and was highly successful, in strongman events. Success in this area puts bread on the table. Like the rest of us, at least in one respect, 35 year old Bill Kazmaier is just trying to make a living in England and Scotland competing in more than 30 strongman contests and highland games as well as providing his insight into strength training. A series of more than 30 seminars he had a lot on his plate last summer, but devoted the lot. He says that might have put him in less than the best of shape for entering the World's Strongest Man contest in Hungary. He was not happy finishing second to Jon Pal Sigmarrsson, with whom he continues to have an intense rivalry. This year he's trained more with an eye to the world championships, foregoing most other events that might aggravate any injuries or detract him in any way from the sole purpose of winning the 1989 World's Strongest Man title.

When I caught up to Kaz, in May, he was training in Birmingham, England's second largest city of some 4 million. Birmingham is a steel city. It's working class environment provides a suitable setting for training. Chris Lawton operates the Forum gym. One of Britain's finest, no question about it; a spacious, fully equipped, intelligently laid out facility with more than 2500 members. If Kaz presses no problem, Chris has them up to 175 pounds. While in England Kaz has been staying with Chris and his wife Diane and kids John and Dean, all of whom work their butts off to make the gym the obvious success it is. Chris has also run some strength meets featuring Kaz, Sigmarrsson & Jamie Reeves. The Forum strength contests are an attempt to popularize, at a grass roots level, what have previously been, for the most part, high powered international events.

As for training partners in England,

as the truest test of a man's strength. At 27, Reeves has years to improve a scanty thought when you think about his potential. Even Kaz, who is not quick to praise where praise is unwarranted, considers Reeves as a peer when it comes to pressing and in most strongman events. He sees Reeves, during the early 90's, as the strongest man on the planet. Reeves has seen press 155 pound dumbbells for 5 reps. Kaz has 150 pound dumbbells for 10 standing and 165 for 5, and while Reeves regards Kaz as the greatest lifter in history he has a few goals of his in that domain. The first is a 1000 kilogram total.

The problem with strongman competition is that it is so demanding that little time energy or imagination is left for the pure pursuit of powerlifting, but Reeves fully acknowledges that for true recognition in the world of strength to be considered - the Big Three lifts have to be performed outside the gym and in a contest situation. Incidentally, Jamie's wife Debbie who runs their Sheffield gym, has placed third in the British weightlifting championships in the 75 kilogram class via a 374 squat, 203 bench press and a 384 deadlift. Jamie and Debbie have opened their home to fellow competitors Jon Pal and Kaz, and it was my great fortune to stay with them while in England.

Kaz is back in Alabama for a few weeks training at his own gym awaiting a visit from O.D. He'll return to England for more training before the world championship.

Jon Pal Sigmarrsson has a busy schedule leading up to the World's Strongest Man. He has a number of highland games and has Jon Pal travelling & performing all over Scotland. It's JP's balls, but it also leaves him tired. When he can get away he travels down to England to train with Jamie. Earlier this year JP won a bodybuilding competition back home in Iceland. His bodyweight was way down and now he has the task of getting it back up before August. Debbie Reeves provides an excellent training table, so Jon Pal will be able to eat well. He is one of the world's most versatile strength athletes, able to add 50 pounds of quality body weight within a relatively short period of time, and still move with the grace and ease of a much lighter athlete. While assorted arm, leg, and back problems are bothering Kaz, Reeves, and Sigmarrsson one thing is certain. Each man hopes the others will arrive in Spain in tip-top shape. By August the 20th, we will learn who will pass the title - World's Strongest Man. Until then, to all powerlifters and strength athletes, have a great training summer.

Kaz has John Neighbour, the 1987 World Powerlifting champion in the 275 pound class. In a recent workout, Kaz was banging out 5.8 reps with 500 in the bench and there looked to be room for more. One wonders how high his World Record could have been, had the bench shirt been around in '81. These days his training requirements are different than they were for powerlifting. Strongman events require overall body strength. As Kaz puts it, you need to have the Big Three of powerlifting, as well as pressing strength, hand grip strength, good joint stability, and last but not least, aerobic capacity, which will allow the athlete to go all out for a full minute without having the "monkey jump on your back." Kaz remembers in the early 80's, one of the 400 lb. plus entrants in the World's Strongest Man competition demonstrating tremendous power leading the first few of a dozen or so bear kegs onto a flatbed truck in an astonishing 20 seconds, and then spending the next minute and a half leading the rest of the barrels. The man had hit the wall. He was pooped! If Kazmaier has a set philosophy of strength, it certainly encompasses an athlete being capable of moving well on his feet. The modern strength athlete, from Kaz, Reeves to the World's Strongest Man, must be a highly talented strength athlete, and although we won't have read or heard too much of him in regards to powerlifting, he plans to enter a major British meet later this year after the World's Strongest Man contest takes place. He is a natural super, at 6'3" and 330 pounds. In training he's moved some 650 numbers, like a 550 bench and big for 10 and 705 for 5 in the squat. He's handled about the same numbers in the deadlift, which he regards

as the truest test of a man's strength. At 27, Reeves has years to improve a scanty thought when you think about his potential. Even Kaz, who is not quick to praise where praise is unwarranted, considers Reeves as a peer when it comes to pressing and in most strongman events. He sees Reeves, during the early 90's, as the strongest man on the planet. Reeves has seen press 155 pound dumbbells for 5 reps. Kaz has 150 pound dumbbells for 10 standing and 165 for 5, and while Reeves regards Kaz as the greatest lifter in history he has a few goals of his in that domain. The first is a 1000 kilogram total.

The problem with strongman competition is that it is so demanding that little time energy or imagination is left for the pure pursuit of powerlifting, but Reeves fully acknowledges that for true recognition in the world of strength to be considered - the Big Three lifts have to be performed outside the gym and in a contest situation. Incidentally, Jamie's wife Debbie who runs their Sheffield gym, has placed third in the British weightlifting championships in the 75 kilogram class via a 374 squat, 203 bench press and a 384 deadlift. Jamie and Debbie have opened their home to fellow competitors Jon Pal and Kaz, and it was my great fortune to stay with them while in England.

Kazmaier, Sigmarrsson and Reeves - three of the top strength athletes in the world - the world trumped onto one tiny island - England. That was the scene for most of the month of May. Reeves is a native Englisher - a welder who works the coal mines near Sheffield and whose welding talents have been well spent in the building of his gym. Reeves is a highly talented strength athlete, and although we won't have read or heard too much of him in regards to powerlifting, he plans to enter a major British meet later this year after the World's Strongest Man contest takes place. He is a natural super, at 6'3" and 330 pounds. In training he's moved some 650 numbers, like a 550 bench and big for 10 and 705 for 5 in the squat. He's handled about the same numbers in the deadlift, which he regards

as the truest test of a man's strength. At 27, Reeves has years to improve a scanty thought when you think about his potential. Even Kaz, who is not quick to praise where praise is unwarranted, considers Reeves as a peer when it comes to pressing and in most strongman events. He sees Reeves, during the early 90's, as the strongest man on the planet. Reeves has seen press 155 pound dumbbells for 5 reps. Kaz has 150 pound dumbbells for 10 standing and 165 for 5, and while Reeves regards Kaz as the greatest lifter in history he has a few goals of his in that domain. The first is a 1000 kilogram total.

The problem with strongman competition is that it is so demanding that little time energy or imagination is left for the pure pursuit of powerlifting, but Reeves fully acknowledges that for true recognition in the world of strength to be considered - the Big Three lifts have to be performed outside the gym and in a contest situation. Incidentally, Jamie's wife Debbie who runs their Sheffield gym, has placed third in the British weightlifting championships in the 75 kilogram class via a 374 squat, 203 bench press and a 384 deadlift. Jamie and Debbie have opened their home to fellow competitors Jon Pal and Kaz, and it was my great fortune to stay with them while in England.

Kaz has John Neighbour, the 1987 World Powerlifting champion in the 275 pound class. In a recent workout, Kaz was banging out 5.8 reps with 500 in the bench and there looked to be room for more. One wonders how high his World Record could have been, had the bench shirt been around in '81. These days his training requirements are different than they were for powerlifting. Strongman events require overall body strength. As Kaz puts it, you need to have the Big Three of powerlifting, as well as pressing strength, hand grip strength, good joint stability, and last but not least, aerobic capacity, which will allow the athlete to go all out for a full minute without having the "monkey jump on your back." Kaz remembers in the early 80's, one of the 400 lb. plus entrants in the World's Strongest Man competition demonstrating tremendous power leading the first few of a dozen or so bear kegs onto a flatbed truck in an astonishing 20 seconds, and then spending the next minute and a half leading the rest of the barrels. The man had hit the wall. He was pooped! If Kazmaier has a set philosophy of strength, it certainly encompasses an athlete being capable of moving well on his feet. The modern strength athlete, from Kaz, Reeves to the World's Strongest Man, must be a highly talented strength athlete, and although we won't have read or heard too much of him in regards to powerlifting, he plans to enter a major British meet later this year after the World's Strongest Man contest takes place. He is a natural super, at 6'3" and 330 pounds. In training he's moved some 650 numbers, like a 550 bench and big for 10 and 705 for 5 in the squat. He's handled about the same numbers in the deadlift, which he regards

as the truest test of a man's strength. At 27, Reeves has years to improve a scanty thought when you think about his potential. Even Kaz, who is not quick to praise where praise is unwarranted, considers Reeves as a peer when it comes to pressing and in most strongman events. He sees Reeves, during the early 90's, as the strongest man on the planet. Reeves has seen press 155 pound dumbbells for 5 reps. Kaz has 150 pound dumbbells for 10 standing and 165 for 5, and while Reeves regards Kaz as the greatest lifter in history he has a few goals of his in that domain. The first is a 1000 kilogram total.

The problem with strongman competition is that it is so demanding that little time energy or imagination is left for the pure pursuit of powerlifting, but Reeves fully acknowledges that for true recognition in the world of strength to be considered - the Big Three lifts have to be performed outside the gym and in a contest situation. Incidentally, Jamie's wife Debbie who runs their Sheffield gym, has placed third in the British weightlifting championships in the 75 kilogram class via a 374 squat, 203 bench press and a 384 deadlift. Jamie and Debbie have opened their home to fellow competitors Jon Pal and Kaz, and it was my great fortune to stay with them while in England.

Kaz has John Neighbour, the 1987 World Powerlifting champion in the 275 pound class. In a recent workout, Kaz was banging out 5.8 reps with 500 in the bench and there looked to be room for more. One wonders how high his World Record could have been, had the bench shirt been around in '81. These days his training requirements are different than they were for powerlifting. Strongman events require overall body strength. As Kaz puts it, you need to have the Big Three of powerlifting, as well as pressing strength, hand grip strength, good joint stability, and last but not least, aerobic capacity, which will allow the athlete to go all out for a full minute without having the "monkey jump on your back." Kaz remembers in the early 80's, one of the 400 lb. plus entrants in the World's Strongest Man competition demonstrating tremendous power leading the first few of a dozen or so bear kegs onto a flatbed truck in an astonishing 20 seconds, and then spending the next minute and a half leading the rest of the barrels. The man had hit the wall. He was pooped! If Kazmaier has a set philosophy of strength, it certainly encompasses an athlete being capable of moving well on his feet. The modern strength athlete, from Kaz, Reeves to the World's Strongest Man, must be a highly talented strength athlete, and although we won't have read or heard too much of him in regards to powerlifting, he plans to enter a major British meet later this year after the World's Strongest Man contest takes place. He is a natural super, at 6'3" and 330 pounds. In training he's moved some 650 numbers, like a 550 bench and big for 10 and 705 for 5 in the squat. He's handled about the same numbers in the deadlift, which he regards

as the truest test of a man's strength. At 27, Reeves has years to improve a scanty thought when you think about his potential. Even Kaz, who is not quick to praise where praise is unwarranted, considers Reeves as a peer when it comes to pressing and in most strongman events. He sees Reeves, during the early 90's, as the strongest man on the planet. Reeves has seen press 155 pound dumbbells for 5 reps. Kaz has 150 pound dumbbells for 10 standing and 165 for 5, and while Reeves regards Kaz as the greatest lifter in history he has a few goals of his in that domain. The first is a 1000 kilogram total.

The problem with strongman competition is that it is so demanding that little time energy or imagination is left for the pure pursuit of powerlifting, but Reeves fully acknowledges that for true recognition in the world of strength to be considered - the Big Three lifts have to be performed outside the gym and in a contest situation. Incidentally, Jamie's wife Debbie who runs their Sheffield gym, has placed third in the British weightlifting championships in the 75 kilogram class via a 374 squat, 203 bench press and a 384 deadlift. Jamie and Debbie have opened their home to fellow competitors Jon Pal and Kaz, and it was my great fortune to stay with them while in England.



# WORKOUT of the Month

I will assume that the lifter coming into this routine is capable of a 450 lb. maximum bench press. This particular routine will run for a total of twelve weeks. An increase of 20 to 30 lbs. could be anticipated.

This routine will be based upon a principle of "Load leaping". This is a highly specific system that combines the principles of supercompensation and variety. The system also utilizes changes in leaps of loading and unloading.

That is, during this routine we will have three weeks of loading followed by one week of unloading or a recovery phase. It is my contention that athletes need restoration or recovery phase built into a cycle.

In addition the cycle is divided into three specific phases. (1) The hypertrophy phase, where the primary concern is the development of muscle during the peaking phase. (2) The second phase is the building phase where we begin to enhance motor unit activation through an increase in intensity (intensification phase). The more intense training also promotes physiological and psychological stagnation which can be caused by repetitive training loads.

The third and final phase is the peaking phase. In this phase volume is decreased, but intensity is at its maximum. At this time we peak our strength, develop our tendon and joint attachments to the maximum

(135), 1x10 (225), 1x10 (290), 1x10 (300), 1x10 (315), 1x10 (330) assistance exercises same as week one; Thursday: Bench Press 1x10 (135), 1x5 (330), 1x5 (345), 1x5 (350), 1x10 (225), 1x10 (275), 1x10 (290), 1x10 (305), 1x10 (315) assistance exercises same as week one.

**Week 4:** This is a recovery or an unloading week. During this week we will bench press only one time. This enables us to recover and prevents the cumulative detrimental effects of overtraining. During this week we will workout on Wednesday only. The bench press is as follows: 1. Bench Press 1x10 (135), 1x10 (225), 1x8 (290), 1x6 (330), 1x4 (370); 2. Incline Press 10-10-10 light; 3. Dumbbell Flies DP presses 10-10-10 light; 5. DB 21's 2 sets light; 6. Alt Standing Dumbbell Curls Superset and Tricep Pushdowns 10-10-10-10 light.

**Week 5:** Week five begins the building phase of our cycle. We will begin to focus on increasing the weights and paying more attention to the technical aspects of the lift. I have had great success by videotaping my workouts beginning at this phase.

The Workout  
We will bench once again on Monday and Thursday. Monday: Bench Press 1x10 (135), 1x10 (225), 1x8 (290), 1x5 (330), 1x5 (350); Incline Barbell Press 30 degree angle 10-8-6-4; Dumbbell Flies 10-8-8; Seated Alt DB Press 10-8-6-4; Dumbbell Curls Superset and Tricep Pushdowns 10-10-10-10 light.

**Week 6:** Monday: Bench Press 1x10 (135), 1x8 (225), 1x6 (275) 4 sets of 5 reps (600) this is another method of adding overall variation to our program. In previous weeks we have added weight for each successive set during this week we do compound sets at the same weight. For example: 1. Bench Press 1x10 (135), 1x10 (225), 1x10 (275), 1x10 (300) 2. Incline Press 10-10-10 light; 3. Dumbbell Flies DP presses 10-10-10 light; 5. DB 21's 2 sets light; 6. Alt Standing Dumbbell Curls Superset and Tricep Pushdowns 10-10-10-10 light.

**Week 7:** Monday: Bench Press 1x10 (135), 1x8 (225), 1x5 (275), 1x5 (290), 1x5 (315), 1x5 (330), 1x5 (350) 4 sets of 5 reps (600) this is another method of adding overall variation to our program. In previous weeks we have added weight for each successive set during this week we do compound sets at the same weight. For example: 1. Bench Press 1x10 (135), 1x10 (225), 1x10 (275), 1x10 (300) 2. Incline Press 10-10-10 light; 3. Dumbbell Flies DP presses 10-10-10 light; 5. DB 21's 2 sets light; 6. Alt Standing Dumbbell Curls Superset and Tricep Pushdowns 10-10-10-10 light.

**Week 8:** Monday: Bench Press 1x10 (135), 1x8 (225), 1x5 (275), 1x5 (290), 1x5 (315), 1x5 (330), 1x5 (350) 4 sets of 5 reps (600) this is another method of adding overall variation to our program. In previous weeks we have added weight for each successive set during this week we do compound sets at the same weight. For example: 1. Bench Press 1x10 (135), 1x10 (225), 1x10 (275), 1x10 (300) 2. Incline Press 10-10-10 light; 3. Dumbbell Flies DP presses 10-10-10 light; 5. DB 21's 2 sets light; 6. Alt Standing Dumbbell Curls Superset and Tricep Pushdowns 10-10-10-10 light.

**Week 9:** Monday: Bench Press 1x10 (135), 1x8 (225), 1x5 (275), 1x5 (290), 1x5 (315), 1x5 (330), 1x5 (350) 4 sets of 5 reps (600) this is another method of adding overall variation to our program. In previous weeks we have added weight for each successive set during this week we do compound sets at the same weight. For example: 1. Bench Press 1x10 (135), 1x10 (225), 1x10 (275), 1x10 (300) 2. Incline Press 10-10-10 light; 3. Dumbbell Flies DP presses 10-10-10 light; 5. DB 21's 2 sets light; 6. Alt Standing Dumbbell Curls Superset and Tricep Pushdowns 10-10-10-10 light.

**Week 10:** Monday: Bench Press 1x10 (135), 1x8 (225), 1x5 (275), 1x5 (290), 1x5 (315), 1x5 (330), 1x5 (350) 4 sets of 5 reps (600) this is another method of adding overall variation to our program. In previous weeks we have added weight for each successive set during this week we do compound sets at the same weight. For example: 1. Bench Press 1x10 (135), 1x10 (225), 1x10 (275), 1x10 (300) 2. Incline Press 10-10-10 light; 3. Dumbbell Flies DP presses 10-10-10 light; 5. DB 21's 2 sets light; 6. Alt Standing Dumbbell Curls Superset and Tricep Pushdowns 10-10-10-10 light.

**Week 11:** We will bench only one time this week on Monday to assure ourselves of full recovery for week 12 (next week). Use your Bench Shirt. Monday: Bench Press 1x10 (135), 1x8 (225), 1x6 (315), 1x3 (375), 1x2 (430), 1x1 (460); Alt DB Curls with Tricep Pushdowns Superset 10-8-6-4-3 (only auxiliary exercises used)

**Week 12:** Meet Week, Monday: Bench Press 1x10 (135), 1x5 (225), 1x3 (315), 1x1 (365), 1x1 (405), 1x1 (440) Tricep Pushdowns Superset 10-10-10 light; Saturday or Meet Day: Bench Press 1x10 (135), 1x5 (225), 1x3 (315), 1x1 (365), 1x1 (405); 1x1 (440) opener; 1x1 (465) second attempt

This routine maximizes muscular response by adding overall variety to the lifter's training program. Recent research indicates that strength training programs may lose their efficiency after only two weeks since the body adapts rapidly to the stress of training loads.

If the nervous and muscular systems are allowed to adapt to constant training loads the efficiency of the program will be diminished. We also must remember that muscles gain strength quicker if training at various speeds. The speed of muscular contraction has a specific training effect on the neuromuscular system. Therefore, during the hyper-

30° angle 10-10-10 light; Dumbbell Flies 10-10-10 light; Alternate seated DB Presses 10-10-10 light; DB 21's 2 sets light; Alt standing DB Curls Superset with Tricep Pushdowns 10-10-10-10 light

The final four weeks constitute our peaking phase. This is where we put it all together and begin to increase our strength and explosive power. We will once again increase our intensity but decrease our volume and auxiliary exercises. This is also the phase where plyometrics can come into play, on your off days. Plyometrics utilizing medicine balls seem to work the best for me. Simply find a partner and practice explosive chest passes from a distance of 10 or 12 feet apart. A bench shirt should also be used for your welcome workouts for the remainder of the cycle.

**Week 9:** Monday: Bench Press 1x10 (135), 1x10 (225), 1x8 (270), 1x6 (315), 1x4 (360), 1x3 (385), 1x2 (410), Seated Alt DB Press 10-8-6-4-3; Standing Alt DB Curls 10-8-6-4-3; Tricep Pushdowns Superset 10-8-6-4-3; Thursday: Bench Press 1x10 (135), 1x8 (225), 1x6 (315), 1x4 (360), 1x3 (385), 1x2 (410) 4 sets of 5 reps (600) this is another method of adding overall variation to our program. In previous weeks we have added weight for each successive set during this week we do compound sets at the same weight. For example: 1. Bench Press 1x10 (135), 1x10 (225), 1x10 (275), 1x10 (300) 2. Incline Press 10-10-10 light; 3. Dumbbell Flies DP presses 10-10-10 light; 5. DB 21's 2 sets light; 6. Alt Standing Dumbbell Curls Superset and Tricep Pushdowns 10-10-10-10 light.

**Week 10:** Monday: Bench Press 1x10 (135), 1x8 (225), 1x5 (275), 1x5 (290), 1x5 (315), 1x5 (330), 1x5 (350) 4 sets of 5 reps (600) this is another method of adding overall variation to our program. In previous weeks we have added weight for each successive set during this week we do compound sets at the same weight. For example: 1. Bench Press 1x10 (135), 1x10 (225), 1x10 (275), 1x10 (300) 2. Incline Press 10-10-10 light; 3. Dumbbell Flies DP presses 10-10-10 light; 5. DB 21's 2 sets light; 6. Alt Standing Dumbbell Curls Superset and Tricep Pushdowns 10-10-10-10 light.

**Week 11:** We will bench only one time during this week preferably on Monday to assure ourselves of full recovery for week 12 (next week). Use your Bench Shirt. Monday: Bench Press 1x10 (135), 1x8 (225), 1x6 (315), 1x3 (375), 1x2 (430), 1x1 (460); Alt DB Curls with Tricep Pushdowns Superset 10-8-6-4-3 (only auxiliary exercises used)

**Week 12:** Meet Week, Monday: Bench Press 1x10 (135), 1x5 (225), 1x3 (315), 1x1 (365), 1x1 (405), 1x1 (440) Tricep Pushdowns Superset 10-10-10 light; Saturday or Meet Day: Bench Press 1x10 (135), 1x5 (225), 1x3 (315), 1x1 (365), 1x1 (405); 1x1 (440) opener; 1x1 (465) second attempt

This routine maximizes muscular response by adding overall variety to the lifter's training program. Recent research indicates that strength training programs may lose their efficiency after only two weeks since the body adapts rapidly to the stress of training loads.

If the nervous and muscular systems are allowed to adapt to constant training loads the efficiency of the program will be diminished. We also must remember that muscles gain strength quicker if training at various speeds. The speed of muscular contraction has a specific training effect on the neuromuscular system. Therefore, during the hyper-

trophy phase of the cycle (weeks 1-4) I recommend training at slow speeds to develop maximum muscular strength. This also develops a strong muscular base.

Speed or contraction should be increased to a moderate tempo during the building phase and should escalate to a higher speed during the peaking phase.

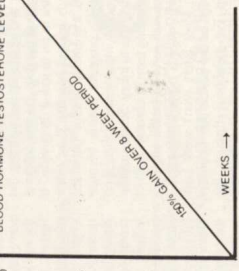
Key Principles of the Overall Program  
1. Variety is utilized throughout the cycle to maximize your training response. 2. By using the loading and unloading or restoration weeks, overtraining is eliminated. 3. Speed of contraction is specific to the training effect desired. 4. Auxiliary exercises are added or deleted as necessary to control overall volume and intensity within the cycle. 5. Rest periods between sets should increase as the cycle increases. As a good general rule: use 1/2 minute rest periods during the hypertrophy phase, use 2-3 minute rest periods during the building phase, and use 3-4 minute rest periods during the peaking phase. Good luck!

Individual training routines are available. Send me a detailed training summary, including your present maxes in the squat, bench, or deadlift. Also include your height, weight, and lengths of training experience. Courses are 20 dollars for one lift, 35 dollars for two lifts or 45 dollars for all three lifts. Send requests to: John Ware, c/o Football Office, Northeast Missouri State University, Kirksville, MO 63501.

## NOW AVAILABLE IN THE U.S.A.!!

THE MOST POWERFUL BLEND OF DIBENCOZIDE, SMILAX, BORON AND FERULIC ACID EVER!

- So unique it's patent pending
- Scientifically tested and proven effective
- Increases Testosterone levels without side effects
- Safe for male and female athletes
- Sublingual formulation for direct absorption and maximum effect



ORDER TODAY FROM:  
**WHEELER'S FITNESS AND STRENGTH ENT.**  
206 BERNARD ST. BAKERSFIELD, CA 93305  
DEALER INQUIRIES CALL 1-805-327-5536

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_  
ZIP \_\_\_\_\_ PHONE ( ) \_\_\_\_\_  
CHARGE MY: MC \_\_\_\_\_ VISA \_\_\_\_\_  
CARD # \_\_\_\_\_  
EXP. DATE \_\_\_\_\_

SUB TOTAL \_\_\_\_\_  
CA RES. ADD 6% \_\_\_\_\_  
AK & HI ADD \$3.00 \_\_\_\_\_  
OUTSIDE USA ADD 25% \_\_\_\_\_  
MIN. SHIPPING 2.00 \_\_\_\_\_  
TOTAL \_\_\_\_\_  
\*COD's ADD \$3.00

Wholesale inquiries welcome

TO ORDER CALL TOLL FREE 1-800-255-6304

PATENT PENDING



JOHN WARE...is one of the elite handful of lifters in the history of Powerlifting who have been able to break the 600 lb. barrier in the bench press.



# More From Ken Leistner

A number of years ago, a patient of mine was the subject of an unusual movie. MY DINNER WITH ANDRE was an avant garde production which portrayed a dinner discussion with this well known individual, and focused on his views of many things, with a use of those of an equally well known and respected individual, with directly antagonistic opinions. While not a well known movie, it was considered to be an artistic success, and provided to be the linchpin of a new genre of cinema. While we missed dinner, I did have the opportunity to enjoy a day with Al Gerard, the inventor of the Trap Bar. Al is an engineer from North Carolina, who is an exceptional deadlifter, and an extremely likeable man. Although our meeting occurred at a football strength training seminar at Rutgers University, many of the points made could be applied to powerlifting.

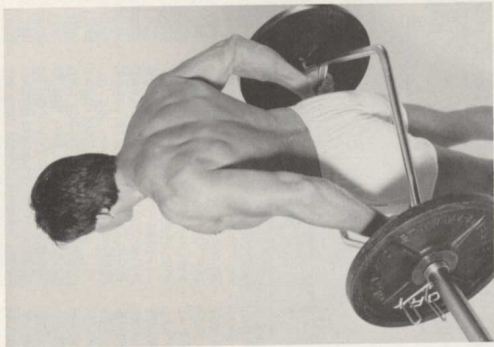
Over the past years, I have stressed that training for any athletic purpose, especially football, should be based first upon certain rules of safety. The assumption of a properly designed strength training program is, in fact, that it reduces the probability of on the field injury. The training procedures themselves should reduce the probability of injury in the weight room. Secondary to this, is the program's effectiveness in getting one muscled stronger and larger. One's powerlifting program should be based upon the same objective. One cannot train effectively, if at all, if they are injured. Constant or chronic injury, makes it impossible to fulfill one's strength potential due to the inability to train, an inability to train on a regular basis, and/or an inability to train with those movements that would best enhance one's powerlifting abilities. Overtraining, high risk training, training too frequently, and too training too frequently with high force are the primary roadblocks to progress for most serious lifters.

Al and I agreed on a number of points that could immediately be applied to one's training in a positive manner:

1. Do not move the bar quickly: moving any weight quickly, especially a heavy weight, produces some negative effects. "Lerking" or quickly applying force to the bar often means that one will not maintain proper form or technique. This alone often leads to injury. Quickly accelerating a weight exposes the muscle and connective tissue to forces that are greater than the amount of weight on the bar, a force that will produce major or minor tears if it exceeds the integrity of that tissue. A few months ago in Ft. USA, Dr. Tom McLaughlin noted the importance of lowering a weight in the squat and bench press,

ing, rowing, dips, and other exercises in a safer and more efficient manner than that provided by conventional equipment, including a barbell (as effective as the row might be as a basic strength and muscle builder, it can be dangerous for many lifters). Nonetheless, when one's sport consists of performing squats, bench presses, and deadlifts, it is important that one first master the techniques of those movements, and work hard and consistently to increase the weight used for these competitive lifts.

There has been an increasing tendency to try to utilize every obviously good and obviously bad strength training principle in one's training routine. This has occurred hand in hand with the tendency to over utilize the available pieces of equipment found in most gyms and weight rooms. While the highly respected programs used by greats like Hugh Cassady might seem "too simple" by today's aspiring powerlifters, they in turn have gone overboard in dressing up their programs with a multitude of assistance exercises. It remains true that one can work very hard or very long, but not both. Instead of concentrating on the three competitive lifts and working as hard as possible on those as possible, most lifters, even successful ones, have limited the really crucial work on the deadlift and squat, and have rationalized this by using many adjunctive movements.



AL GERARD...shows the kind of back development that is possible with some hard work and his TRAP BAR.

While it is important to carefully select those assistance movements that would serve to correct an existing problem, the modern day lifter "saves" him or herself for the many movements which follow the three lifts, and fails to give the proper effort in the more uncomfortable, but more rewarding heavy, basic, major movements. Few published powerlifting routines fail to include three or four pressing or pull/press movements, leg extensions, curls, and presses, and two to four lat/upper back exercises. As most lifters also want the recognition that they feel should come with lifting weights, direct prep and trap work is rarely included. A major lifter, that few of the younger lifters know, are willing to work their deadlift as hard as is necessary to stimulate realistic gains.

They do a few deadlifts, usually using a few sets of 10, and move on to any capable of, and move on to any

## WHAT'S THE NO.1 LIFTING SUIT FOR COMPETITION & TRAINING? TURN TO CENTER GATEFOLD FOR THE ANSWER AND A SPECIAL OFFER!



number of other things. Even the ones they do aren't that tough." Al and I remember when powerlifting was not just an organized sport, and as the deadlift, like the squat, was used as a very effective growth stimulating exercise. I made the point of ten to twenty reps, and then I did the deadlift movements because we did the deadlift not with an eye towards doing singles in competition, but as a means to become much bigger and much stronger. "Ken, if more reps would fly off or sets, they would be surprised how many they could deadlift in a contest, following a period of doing lower reps and sets, as contest preparation." When I noted that this type of very hard work is rarely seen in any gym these days, Al just shook his head for many "good" exercises that a powerlifter can do. There are some techniques that can actually assist the lifter in overcoming limitations that exist in each specific lift. However, "other" exercises, ones first spent to be paid on the Big Three of our sport. If isn't necessary to have an unlimited budget, a computer or anything else exotic to be a successful or at least an improving powerlifter, it is however necessary, on a consistent basis, as possible, to work as hard as possible, on a consistent basis, as possible, on a consistent basis. They do a few deadlifts, usually using a few sets of 10, and move on to any capable of, and move on to any

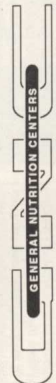
# HERCULEAN BODYBUILDING PACK

The most intense and complete Bodybuilding pack available, contains: Mega Vitamins & Minerals, digestive aids, Argentine Beef Liver, fat burners, Smilax Gamma Oryzanol, Inosine, Natural Sterol Complex (2) and Herculean Aminos (3). Sixteen tablets in each pack, 30 pack supply. #6700 \$47.99

<p><b>Herculean Amino 1900</b> 1900mg 500 tablets #6710 \$34.99</p> <p><b>Yohimbe Gold Complex</b> A powerful formula for strength and mass building. Extra energy and aggressive attitude. Sublingual 1 fluid oz. #5930 \$29.99</p> <p><b>Super-Cuts</b> Unique sublingual formula of L-Arginine, L-Ornithine and L-Carnitine. 1 fluid oz. #5950 \$14.99</p> <p><b>Fat Fighters (Lipo-tropic Formula)</b> Contains all of the metabolic constituents, from Choline to Inositol to L-Carnitine to aid in breakup of fat deposits. 120 tablets #5860 \$14.99</p>	<p><b>Herculean Sterol Complex</b> A mass and density enhancer that includes natural plant sterols, electrolytes, energy stimulants and amino acids. 2200mg, 150 tablets #6716 \$24.99</p> <p><b>Yohimbe Complex</b> A powerful formula for strength and mass building. Extra energy and aggressive attitude. 665 mg, 60 capsules. Special with this ad. #6714 \$28.99 \$14.99</p> <p><b>Free Forms</b> 100% Crystalline. Pharmaceutical Grade Amino Acids 1000mg, 90 capsules #6720 \$14.99</p> <p><b>1000mg, 250 capsules</b> #6724 \$29.99</p> <p><b>Smilax Gold</b> The strongest extract (10X). Naturally helps the body raise its testosterone levels. 1 fluid oz. #5910 \$20.00</p> <p><b>2 fluid oz.</b> #5915 \$33.99</p>	<p><b>CHROMIUM</b> Biologically active chromium supplement. 200mcg, 100 capsules US Patent # 4,315,927 #5941 \$9.99</p> <p><b>Yohimbe Bark Extract</b> 750 MG FOR THE ADVANCED BODYBUILDER #5939 \$31.99</p> <p><b>GH Release Formula</b> Fast acting free form amino combination of 400mg L-Arginine, 200mg L-Ornithine and 200mg L-Lysine 800mg, 120 tablets #6719 \$18.99</p> <p><b>Tetrabor-Plus</b> Unique sublingual formulation of boron complex 5000mcg, plus Smilax Officialis Extract 10X. 1 fluid oz. #5920 \$29.99</p>	<p><b>Amino Density</b> This Month's Special 1500mg, 325 tablets #5800 \$14.99</p> <p><b>DIBENCOZIDE</b> B-12 Coenzyme, sustained release in the strongest dosage available. 10mg, 100 tablets #6100 \$34.00</p> <p>10mg, 100 capsules #6200 \$40.00</p> <p><b>Amino Density</b> Amino acid tablets derived from lactalbumin hydrolysate and free form L-Ornithine. 1900mg, 325 tablets #5830 \$22.99</p> <p>1900mg, 150 tablets #5840 \$12.99</p> <p><b>DIBENCOZIDE SUBLINGUAL</b> B-12 Coenzyme, sustained release in the strongest dosage available. Special! 2 fluid oz. <del>\$40.00</del> \$30.00</p>
---	--	--	---

Mail to:  
**TEAM BODYBUILDING, INC.**  
301 Meadow Creek Dr. • Chesapeake, Virginia 23323

Available at finer Health Food Centers, Gyms



**Distributed by:** Advanced Supplements & Supplies, Toledo, OH, (419) 729-1455 • Bartee Nutrition, Manassas, VA, (703) 590-0037 • Bob O'Leary Sports Supplements (BOSS) • Scranton, PA, (800) 666-8870 • Bob Uro, Inc., Vitamins & Health Food, Ft. Lauderdale, FL, (305)-484-6773 • Brian R. Silk, Mr. Jr. America - '87, Lakeland, FL, (813) 686-3031 • Pauly's Nutritional Discount, Romulus, MI, (313) 697-3909 • The Body Shop, White Plains, MD, (301) 870-2157 • Tom Rinker, State College, PA, (814) 867-0291

Distributor/Dealer Inquires Welcomed!





# NEW: UPDATE FIVE BY MAURO DI PASQUALE, B.S.C., M.D.

This update concentrates on anabolic steroids (effects and side effects; with a realistic look at their effects on the mind and on serum cholesterol, and their use for treating chronic injuries), anabolic steroid substitutes (including Smilax, Officialins, Dibencozide, Yohimbine, and Clobutolol), and growth hormone. As well, I examine what's now being used by the more sophisticated pharmacologically minded athletes (including transdermal testosterone, Galatin, Primidone, EPO, Peptide, and others) and the latest techniques being used to escape detection (with a special section on Probenecid).

The price of Update Five is \$11.00 U.S. Funds, Plus \$1.00 Postage and Handling THE COST OF THE BOOK "DRUG USE AND DETECTION IN AMATEUR SPORTS" PLUS ALL FIVE UPDATES is \$41.50 U.S. Funds plus \$3.50 P&H. Update Four is \$10.00 U.S. Funds Plus \$1.00 P&H. Update One Three all three for \$12.00 Plus \$1.00 P&H. The Book, "Drug Use and Detection in Amateur Sports," is \$14.95 Plus \$2.00 P&H.


My book and updates are THE source for information on drug use by athletes (especially anabolic steroids, growth hormone and other ergogenic substances) and the available techniques for drug detection.

Order from: **MGD Press** 23 Main Street Warkworth, Ontario, Canada K0K 3K0

### Subscribe to IRONSPORT! Ironsport

The Magazine of Powerlifting, Weightlifting and Strength Training

Extensive coverage of major meets, training techniques and exercises of the Superstars of Strength.



Subscribe now, \$12 for six issues, \$20 first class (US and Mexico), \$22 Canada, \$29 all other foreign.

Enclosed is \$ \_\_\_\_\_ for six issues of Ironsport.

Name \_\_\_\_\_

Address \_\_\_\_\_

Payable to: Ironsport, P.O. Box 1776, Astos, CA 95001

# Ask the Doctor

This column will answer questions about drugs used by athletes and detection techniques for these drugs. Because of the demand, I will occasionally answer questions concerning health and training problems which do not directly relate to drug use and detection. If you wish a personal response to your question send \$15 to cover office and secretarial expenses. Please, no questions about how and when to use anabolic steroids. Send questions to: MAURO DI PASQUALE, MD, 23 Main St., Warkworth, Ontario, Canada K0K 3K0.

**DEAR MAURO:** I am 20 years old and have been weight training since I was 14. I am not, nor never was, very big or strong, however I love the "high" of going to the gym and working out. I would like to train normally again and achieve decent muscle tone. My problem is much like the man with the shoulder problem in your article in the November '88 issue. I have been X rayed. I have been to an M.D., an orthopedic surgeon, an M.D. specializing in sports medicine and three chiropractors. Diagnoses varied: compressed disks, superior posterior serratus trigger point, soft tissue damage around my rotator cuff, torn trapezius with tendinitis in the shoulder, T-4 facet. I'll describe my problem. My shoulders click. The main problem is on the right side. In my upper back I get a cryptic pain, it pops and cracks when I breathe and aches when I sit. The front of my right shoulder clicks and aches. I supposedly have tennis elbow on the right side also. The shoulder clicks when I work out, but doesn't hurt until a day or two after. The elbow does hurt when I work out. I also have a problem with my right knee. It is supposed to be tendinitis or another trigger point. I am going this week to see if it is not cartilage tear. The knee gets worse after I work out also, but not while I'm working out. My lower back was sprained in November '86 doing barbell bent rows. The pain comes and goes for no reason. Doctors said it is lumbar lordosis. I get an electrical like shock sometimes if I bend certain ways. The region will remain sore and vulnerable for about a week and then clear up. My shoulder has been bothering me for a year, my knee since November '88. I have tried a 2 month complete lay off, but it was no help. Working out is not enjoyable anymore, but I want to get back. I feel like my life is over; like I am about 90 years old. I can't do anything physical anymore. I know if I was a would class athlete something could be done to get me back. I never took steroids or wanted to. However, I wonder if there is any therapeutic effect they can have for my problems. I have great determination to get normal again. Please help me however you can. Is there a drug rehabilitation program? What do you have to tell the man in the article with the shoulder injury (other alternative)? I am only 20 and never had any physical problems until 18. No history of these problems runs in my family. So far weight training has done nothing good for me. How do guys lift into their 70s? **JAN C.**

**DEAR JAN:** It sounds to me like you're overdoing it for your physical capabilities. I don't think there is anything serious going on. There are several things you need to do. First of all, only do those exercises that don't cause you any pain - even if it means doing partials in the exercises you think you should do. Start off like a beginner, with light weights and low reps. At first, your workouts shouldn't be more than a half hour 3 times a week. Once the injuries improve (remember you shouldn't feel any pain - if you do, modify the exercise or do another one instead), slowly increase your exercise weight and the time you're working out. Also use whatever wraps you need to minimize the strain to the affected joints. For example use light knee wraps even when warming up in the squat (actually keep the knees wrapped all the time you're at the gym). For your shoulder, wear light elbow wraps if it helps. Anabolic steroids might help you get back on your feet quicker and also might allow you to work out harder without injuring yourself so easily, but because of possible side effects, it's a decision you have to make. Certainly if the above regimen doesn't help (and it should as long as you don't rush it) I'd give it a try for one or two cycles. The alternative for that other lifter was an injection using a cortisone and an anabolic steroid. I wouldn't recommend this for you since you have so many other areas involved. Sincerely, **MAURO**

**DEAR MAURO:** I have been lifting for several years. In my off-season I play football. Well, I was chasing the quarterback and, trying to avoid a late hit, I dove over him. In the process I felt a burning sensation in the lower groin and right leg. I wasn't able to squat or raise my leg for over two months. When I started squatting again I felt pains in my inner leg about 8 inches below my groin. My bodyweight is 210 lbs. and I was squatting over 700 lbs. I would like to know if I have torn any muscles or tissues, and how long would it take for me to start squatting heavy again. **Kenneth M.**

**DEAR KEN:** It certainly sounds like a tear. You should be able to get back into it right now. You might have to change your stance so as to decrease the strain on that injured area. Once you get back up to the heavy weights you could slowly try going back to your old style. Make sure you warm up that leg and keep it warm all through your workout. Best of luck, **MAURO**

# Question & Answer

Your training questions answered by Roger Ester, 1979 Sr. National Champ, World Record Breaker at 198, and 1985 MR. IRON MAN. For a taped response, send \$20 to Roger Ester, 1413 Holgate, Anaheim, CA 92802

**DEAR ROGER:** I am a non-competitive weight lifter, 6'1" and 205 lbs. I currently bench press 265 lbs., but can't seem to get above this. Please devise a bench press routine that would enable me to reach 300 lbs. **Mark D.**

**DEAR MARK:** As you know from my articles I believe in heavy weights year round. I have had success with this type of program and I'm sure you will also. You should train the bench twice a week, once light to medium and once heavy. On your light day you should never leave the gym fatigued. The light day should work your technique and develop the proper groove to bench pressing. You should leave the gym very hungry for your heavy day, so you can make new progress. I would say that your light day sets up your heavy day. Your heavy day is the time to put your mind and body to work. On this day you should feel fatigued after the session.

I will outline a program considering a 265 bench as your starting max. Training days: Monday (light) and Friday (heavy). 1st Week: Monday bench - 135, 1 set, 10 reps; 135, 1 set, 8-10 reps; 165, 1 set, 5-6 reps; 185, 1 set, 1-2 reps; 205, 1 set, 1 rep; 225, 1 set, 1 rep; 135, 1 set, 10 reps; Friday bench - 135, 1 set, 10 reps; 135, 1 set, 10 reps; 165, 1 set, 5-6 reps; 185, 1 set, 1 rep; 205, 1 set, 1 rep; 225, 1 set, 1 rep; 245, 1 set, 1 rep; 265, 1 set, 1 rep; 205, 1 set, 1 rep with pause; 145, 1 set, 10 reps.

2nd Week: Monday bench - 135, 1 set, 10 reps; 135, 1 set, 10 reps; 165, 1 set, 5 reps; 185, 1 set, 1-2 reps; 210, 1 set, 1 rep; 230, 1 set, 1 rep; 145, 1 set, 10 reps; Friday heavy - 135, 1 set, 10 reps; 135, 1 set, 10 reps; 165, 1 set, 5-6 reps; 185, 1 set, 1 rep; 215, 1 set, 1 rep; 235, 1 set, 1 rep; 255, 1 set, 1 rep; 275, 1 set, 1 rep; 215, 1 set, 10 reps; 155, 1 set, 10 reps.

3rd Week: Monday bench - 135, 1 set, 10 reps; 135, 1 set, 10 reps; 165, 1 set, 5 reps; 195, 1 set, 1 rep; 220, 1 set, 1 rep; 240, 1 set, 1 rep; 155, 1 set, 10 reps; Friday Bench Heavy - 135, 1 set, 10 reps; 165, 1 set, 5-6 reps; 185, 1 set, 1-2 reps; 215, 1 set, 1 rep; 245, 1 set, 1 rep; 265, 1 set, 1 rep; 285, 1 set, 1 rep; 225, 1 set, 1 rep; 165, 1 set, 10 reps.

I think you can see the pattern of weight increases each week. Assistance work should include your favorite exercises for the biceps and lats. You should work these two muscle groups very hard to try to get an increase in size which will help you come off the chest during the bench press. Tricep work should also be included, but keep it to a medium intensity workout so you don't over-train the triceps. Your triceps are getting a lot of work during the bench press and overtrained triceps mean an under trained bench press. **Roger**

**Powerlifting USA BACK ISSUES**  
SEND \$4 FOR EACH ONE AND SPECIFY YOUR ALTERNATE CHOICES.  
Jan/1983...Women's Worlds, Anello deadlift routine, Dan Austin, Cycling  
All Time 800 sqat list, Bill West - Pioneer of Power, TOP 100 Superlifters  
Aug/88...Bill Kazmaier Update, USPF Juniors, Women's IPF Worlds, Greatest Deadlifters, Dawn Rashed and Myrtle Auggie Profiles, Sport to 2001, Squatting Primer by Fred Hatfield, TOP 100 181s, ADPPA TOP 20 114s.  
Sep/88...USPF Seniors, APF Seniors, The Greatest Powerlifter, Jeff Chorpenning Profile, Drug Free Worlds, TOP 100 198s, ADPPA TOP 20 123s.  
Oct/88...ADPPA Nationals, Gary Heisey Profile, Doug Hepburn /Joe White Interviews, Strongest Man in the NFL, Offseason Training, TOP 100 220s  
Nov/88...World Record Breakers Meet, Deadlift Deadlift in Texas, Best Woman Squatter, Benchmarking by Contessa, Magic Leg Machine, Bob Wagner Interview, Dave Pasanella Workout, TOP 100 242s, ADPPA TOP 20 148s.  
Mar/89...Powerlifting of the Future, Soft Tissue Therapy, World Bench Championships, Bench Press Assistance, TOP 100 123s, Women's TOP 20.  
Apr/89...O.D. Wilson's 2430 total at the Armed Forces Championships, Jan Harrell Interview, Mk 10 Challenge, Natural Nationals, Fame and Trophies at All, Carol Waters Interview, TOP 100 132s, ADPPA TOP 20 242s.  
May/89...ADPPA Lifetime Drug Free, Ray Benemio Interview, Post Meet Blues, Kenneth Lain Bench Workout, Making Weight, Milo Stemborn Tribute, Darwin Deadlift, Dennis & Sandi Brady, TOP 100 148s, ADPPA TOP 27.5s.  
Jun/89...World Record Breakers, Ken Lain Bench Workout, Muscle Comparison, Deadlift Ponderings, "DISAGREE" by Louie Simmons, Paragraphs of History, ADPPA & USPF Colleagues, TOP 100 165s, ADPPA TOP 5HWs.  
Jul/89...USPF Masters, ADPPA Women's, USPF High Schools, The Sentencing of Mike MacDonald, People Power, TOP 100 181s, ALL TIME TOP 20.

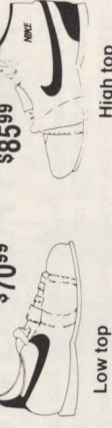
# WARNING!

IF YOU'RE PAYING MORE THAN THESE PRICES...

Overstocked on Suede Power Belts Regularly \$60.00 Now \$35.00

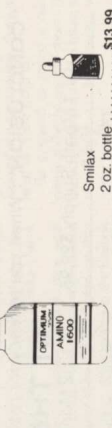
- Double Prong
  - Suede on both sides
  - 4 rows of white stitching
  - Maximum thickness
  - Colors: Blue or Red
  - Special Offer: Purchase a Squat Suit or Bench Shirt for \$35.00, Pay only \$25.00 for a Belt!
- Limited quantities on belts, so hurry, they're going fast!

# Also Available - Nike Shoes



Low top \$70.99 High top \$85.99

Available in sizes 8-13. Order 1/2 size smaller than normal shoe size.



Special \$19.99 Amnio 1600 325 tabs... \$13.99 Smilax 2 oz. bottle

Dibencobol (Dibencozide) An Alternative to Anabolic Steroids 100 tabs - 10 mg - \$34.95 Visa / MC orders 22¢ for postage. C.O.D. orders 34¢ for postage.

FRANTZ SPORT CENTER 31 N. BROADWAY FAX 312-892-0908 (312) 892-1491 AURORA, IL 60505 Only 1-800-537-5532 Outside of Illinois

# STARTIN' OUT

A special section dedicated to the beginning lifter

## Competition Packing as told by Frank Langhorst

After spending untold hours and money preparing for a contest, the last thing you want to do is show up without some key item. (Any forgotten item becomes a key item). A good way to prevent this is to pack the night before, using a checklist.

Every lifter should have his/her own personal checklist, created to reflect their own specific circumstances. After every competition, any item that was used, but forgotten, can be added to the list, therefore you will be establishing a more complete list each time out.

All items that will have to be checked and authorized by the referees should be packed separately. It is especially helpful to have a bag with three compartments, one for each lift. One should pack all items necessary for the squat in one compartment, all bench press items in another, and all deadlift items in the third. This will save many precious minutes of searching once the competition gets underway.

What follows is my own personal checklist, which can be used as a guide in preparing your own:

- Items to be checked by the referees: (packed separately)
- SQUAT: shoes, socks, knee wraps, groove briefs, suits (at least two), t-shirt, wrist wraps, belt.
- BENCH: shoes, suit, belt, bench shirts (at least two).
- DEADLIFT: slippers, suit.
- (Items used for more than one lift need not be repeated in each separate packing location, i.e., wrist wraps, socks, etc.)

Other items  
ADPPA/APF/USPF registration card, notebook, key fob, etc., smelling salts, aspirin, potassium, etc., chalk, padlock, towels, warmup suit, snacks, notebook and pens, mouthguard, toiletries, alarm clock, potential by forgetting important items! Good luck at your next meet!



No Matter if you're going to the Worlds (like Terry Young of Canada, above) or the County Open, you still have to pack right to perform right on stage.

## FEEL THE POWER OF 'IGNITION'

**"ATP"** (Adenosine Triphosphate): The body's natural "spark plug" in building size and strength. Before "ignition," the only way to raise ATP levels was to take Inosine.

**"IGNITION"**: The most powerful form of pure, stabilized ATP in bioavailable form.

**"FACT"**: Inosine alone cannot deliver the same results as "Ignition." Why? Because the body must first biologically utilize Inosine to raise ATP levels. "Ignition" is ATP in stabilized form, and is biologically available at cellular levels within minutes. Results? Virtually 100% absorption rate with maximum natural power increase.

**"CONCLUSION"**: When you're ready for results with the first workout...

- 1 Month Supply \$29.95
- 2 Month Supply \$57.95
- 4 Month Supply \$99.95

CHARGE CARD ORDERS CALL TOLL FREE 24 HRS. (orders only) 1-800-255-6304

ITEM	QTY	PRICE	TOTAL

WHEELER'S FITNESS AND STRENGTH ENT.  
206 Bernard St., P.O. Box 1483  
Bakersfield, CA 93302  
1-800-327-5536

Name \_\_\_\_\_ Sub Total \_\_\_\_\_  
Address \_\_\_\_\_ Discounts \_\_\_\_\_  
City/State \_\_\_\_\_ CA res. add 6% \_\_\_\_\_  
Zip \_\_\_\_\_ Min. Shipping \$2.00 \_\_\_\_\_  
Phone ( ) \_\_\_\_\_ MC \_\_\_\_\_  
Card No. \_\_\_\_\_ VISA \_\_\_\_\_  
Exp. Date \_\_\_\_\_  
FOR FASTER SERVICE SEND MONEY ORDER OR CASHIERS CHECK  
ALASKA/HAWAII ADD 10% U.S. CURRENCY ONLY OUTSIDE U.S.A. ADD 25%

- NOW AVAILABLE  
**100% PURE FERULIC ACID!**
- \* Ferulic Acid is the bio-available ingredient of Gamma Oryzanol.
  - \* One dose (50 MG.) of Ferulic Acid is equal to 2500 MG. of Gamma Oryzanol!
  - \* One bottle of Ferulic Acid is equal to 8 x 100 size bottles of Gamma Oryzanol!
  - 1 Month Supply \$29.95
  - 2 Month Supply \$57.95
  - 4 Month Supply \$99.95

# TRAINING

## To the Sole of the Matter by Ron Fernando, Ironmasters Gym



HEAVY BOOTS...are the footgear preferred by some lifters, like Bret Medeiros, seen above squatting at the 1985 Hawaii Record Breakers Meet.

In my years as a powerlifter, trainer and sports journalist, I have seen the sport blossom from a backwater activity into a relatively well received international sport. Although we still have not received full official acceptance from the IOC our sport has progressed rapidly. The powerlifting enthusiast can now buy highly specialized lifting equipment to aid his or her quest for the Ultimate Total.

One area remains that, I feel, needs some attention. Our sport is so highly specialized that many of the current lifting shoes available do not really meet the needs of the powerlifter. Some of them are great, general purpose "cross-training" shoes, while others were originally intended for Olympic lifting. The following is an analysis of some of the shoes currently available on the market and some thoughts regarding future applications for our sport, specifically.

Powerlifters do not form a significant demographic niche in the marketing plans of the major athletic shoe manufacturers. I recently attended the International Racquet Sports Association trade show and convention in Reno, Nevada and was privy to some of Nike and Reebok's latest offerings. By and large all of them were attractive, well made, and applicable to the health spa enthusiast doing 150 lb. leg presses, but I saw little that would meet the overall needs of a serious P.L. Most lifters purchase specialty shoes or boots for one reason - the squat. In the early days, lots of powerlifters used combat boots or heavy work boots to support the ankles and offer some minor heel elevation if one squatted using a fair amount of quad. As the wider stance "Bridges Flare" became in vogue, a flatter sole was needed, and some lifters used a variety of high-topped basketball shoes.

It was during the early 70's that Adidas came out with their original (and perhaps finest) all-purpose squat boot. I am sure if you dug up some old shoes of Jon Cole hitting his then historic 503 squat, he will be seen with the old black and white Adidas. For some mysterious reason, Adidas discontinued the black and whites for more esthetic (yet perhaps less functional?) blue suede model with a wooden heel. This model is primarily an Olympic lifting asset, as it is a very low-cut version with an instep strap. Why Adidas discarded the old black n whites is a real enigma since they were selling well both overseas (many of the early Bulgarian Stars such as Valentin Krestov, Norat Nourkhan and Atanas Shopov used them successfully for years) and in the USA for both powerlifters and weightlifters.

Another very good all purpose power lifting boot that has since gone to the happy hunting grounds was the Kahti (made in Finland and marketed by Karhu Sports AB). I have heard that the company itself is headed in the latter part of the 80's. During the latter part of the boot market with their current high and low cut offerings, these boots are quite functional, although

generally like the Hercules is that you won't find yourself changing shoes between events (not to mention their bargain price). If you are a new lifter or just a lifter in the market for new shoes, here are some general tips to consider before purchasing.

Your feet are an important asset. Screw them up and you will be one unhappy camper, partner. Analyze each lift individually - quite often you may need up to three pairs of shoes to compete effectively (a pair of heavy boots - depending on your style - for squats; a pair of lower cut court shoes for the bench (if you have an exaggerated arch then a high-heeled boot is perfect) and a very low-to-no heeled shoe such as a gymnastic slipper for the deadlift).

Analyze your squatting style. Generally, narrow-stance squatters will want to use an elevated heel boot and wider stance lifters will go for a higher cut basketball shoe, or even a pair of wrestling shoes.

If, because of any biomechanical problems, you need a very high ankle support get a good pair or Army jump boots or all purpose work boots. These will last, literally, forever. They range in price from \$25 for the GI boots to \$150 for the Danmer (considered the best boots, by the way). Use your lifting shoes for lifting only. I saw some idiot jogging in a 900 pair of Adidas lifting boots once. I know his feet were not feeling entirely well, and all of the stress was running his shoes, to boot (bad pun, folks). Use em, then put them back into your gym bag. A good cobbler will keep your shoes in shape if you need heels, soles, etc. for a fraction of the cost of a new shoe.

Do NOT use jogging or similarly configured lightweight shoes for lifting. They are designed for speed, not strength. Your feet will scream at you unmercifully if you do this sort of thing.

Above all, do not be overly concerned with every new high-tech training shoe that comes to the market. Treat your shoes as you would your "significant other." Once you find a pair that suits your needs, stick with them. Unless there is a marked amount of wear and tear, there is no need to "trade them in."

Be prepared to spend a decent chunk of change on your shoes. They are very important and if taken care of will help you "walk away" with many trophies!

I feel that the "ultimate" power shoe or the future would be one in that it could be able to "instantly" configure to a person's particular lifting style. Ideally, this would involve either pumping air or gel into the heel (and being able to deflate it) plus having special orthotics for the instep. Orthotics are an inexpensive and simple device that you can have made at the local podiatrist. Maybe one day an ingenious company will make a high-tech shoe with digital pressure pads, which react to any given event. Imagine a shoe that could detect flaws in your style and could alter accordingly! (Remember, they all laughed at Thomas Edison!)

# Dr. Judd

## EXPERIENCE IS THE BEST TEACHER: A View From The Masters

by World Class Enterprises/Judd Biasiotto Ph.D.-Army Ferrando



to middle age. Tough it out through the sticking points - make power training a part of your belief structure, a part of every day.

Larry G. Arthurs  
Masters Record Bench - 513 lb./220  
(26 years of lifting experience)

"Complete with yourself, not against other lifters. Don't worry about what the other guy is doing. In the same light, don't worry so much about winning - it's how well you're improving that really counts. If you're improving from meet to meet, you're on the right track. I don't care if I finish last in a competition as long as I did my best. If I finish first, but I lift poorly, I'm anything but happy. Work hard, be patient, and keep smiling."

Master World Record Squat  
Rick Vallancourt  
810/275  
(27 years lifting experience)

"If you're serious about competition, train with a knowledgeable coach. Techniques and training methods that produce results are slowly gained by trial and error. I continue to improve, at 46, so I wonder how competitive I could have been if I had had a coach 18 years ago when I started. Practice your technique until you have perfect form. Also don't judge on your training. Remember that you do in practice you'll most likely do in a meet."

Region II Master Champion  
Fred Glass  
(18 years lifting experience)

"In life and in lifting it's not what you start with that counts, but what you finish with. Don't worry about where you are now, focus on what you're doing each day and there's just no telling how far you can go."

World Master Champion  
Steve Mathews  
(30 years lifting experience)

"Make sure you have pictures of your perfect form. If there is one thing that all great lifters have, it's technical precision in their lifts. Also, be patient and persistent. Small gains made consistently over a long period of time add up to big totals - generally such gains stay with you. Ask for advice from more experienced lifters. There's no substitute for experience."

Florida State Record Holder  
Steve Mathews  
(17 years lifting experience)

"No' to drugs and help keep powerlifting a drug-free sport. Ben Lockett  
U.S. Olympic Lifting Record Holder  
(23 years lifting experience)

"I think the important thing is to be consistent year in and year out. Don't rush, just keep a nice easy pace and before you know it, you'll be lifting awesome poundages. Remember, you eat an elephant one bite at a time. A lot of lifters try to go too fast, and end up with a serious injury instead of a serious total."

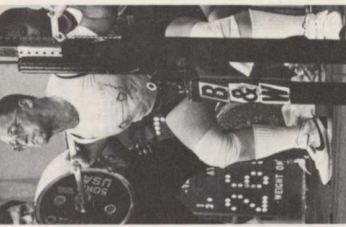
Threesome GA State Champion  
Jack Talley  
(28 years lifting experience)

"Be patient. Take your time and everything will fall in place. If you see a lift, you should back off. Don't try to work through an injury, you'll only end up making it worse. You can work around an injury, but you're not going to work through it."

Florida State Champion  
Jack Webster  
(23 years lifting experience)

"Look for every edge - nutrition, psychology, equipment, etc. The more you know the better off you're going to be. If there was one thing I had to point to that helped me more than anything else it was nutrition. Through proper nutrition, I was not only able to maximize my workouts but ensure that I recovered and benefited from them. I recommend strongly that you research the area of performance nutrition. And of course any other field that might give you a competitive edge."

Georgia State Powerlifting Champion  
Eddie Johnson  
(15 years lifting experience)



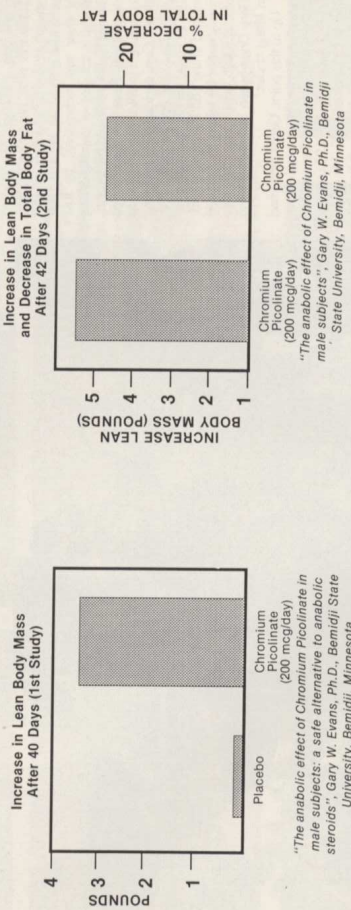
"Find yourself a good 'power' gym. A place where people know what they're doing and are willing to help you. The better the people you train with, the better you're going to be. Don't let your ego get in the way of trying something new. Sometimes you have to do less in the present in order to do more in the future."

Seal Stockholder  
American & National Record Holder  
(22 years lifting experience)

# ANABOLIC CHROMIUM PICOLINATE

## UNIVERSITY STUDIES CONFIRM THE POTENT ANABOLIC EFFECT OF THIS COMPOUND ACP-1000™

### ANABOLIC CHROMIUM PICOLINATE



YES, please rush me the following:

ACP-1000™  
1000 mcg, per capsule  
Regularly \$29.95

City \_\_\_\_\_ Amount \_\_\_\_\_  
90 capsules (3-month supply) ..... \$24.95  
Add \$2.00 for C.O.D. ....  
TOTAL AMOUNT ENCLOSED \$ \_\_\_\_\_

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY/STATE/ZIP \_\_\_\_\_  
METHOD OF PAYMENT: (Please check one)  
 CHECK  MONEY ORDER  COD  VISA  MC  
ACCOUNT NUMBER \_\_\_\_\_  
EXPIRATION DATE & NAME OF BANK \_\_\_\_\_

Dealer Inquiries Invited

## MEDSPORT™ QUANTUM™ NUTRITION

### MEDSPORT LABORATORIES

3314 Harbor Blvd., P.O. Box 5078  
Port Charlotte, FL 33949-5078

Credit card and COD customers may call toll free  
24 hours per day, 7 days per week.

## 1-800-446-MAXX

Seal Stockholder

Powerlifting USA, books, video tapes, seminars, and lecturers can certainly teach us a thing or two about increasing our performance. But, as in most things in life, there is no substitute for experience. Many of the accomplished lifters we've talked to felt that they received their best advice from older lifters who had already been through it all - those who had won and lost, coped with injury, bombed-out, overcame plateaus, experimented with drugs and dealt with the progressive situation of the sport. Such expertise is unwelcomed. More than once we've heard veteran lifters say "If only I knew then what I know now." Obviously they feel that what they know now would have helped them then. In an effort to find out what they know now - and wished they knew then - we thought it best to just ask. Now, with the benefit of 20/20 hindsight, here are some of their answers.

"Get yourself a good coach. Some one who knows about nutrition, bio-mechanics, psychology, etc. Also, be patient. It takes years of good training to be a good lifter. Most importantly, stay away from drugs. They may help you at first but in the long run, you'll regret it."

Jorge L. Garcia  
Bronze Medalist, 1968 Olympics  
USPF Two-time National Champion  
(30 years of lifting experience)



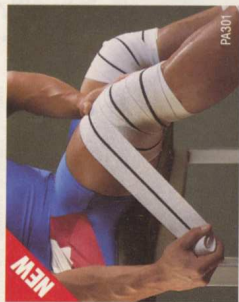
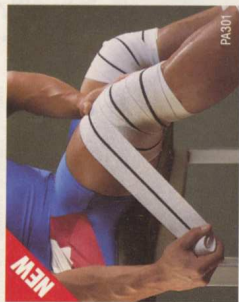
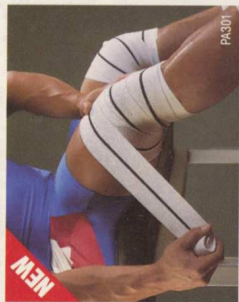
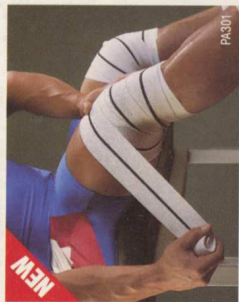
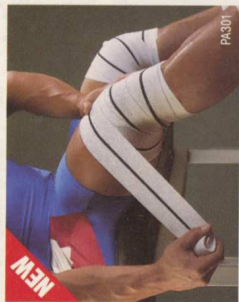
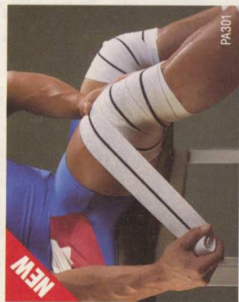
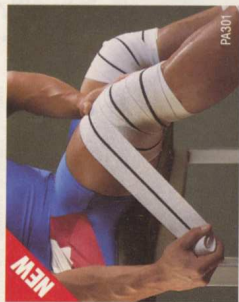
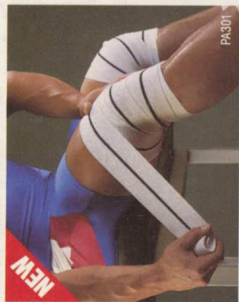
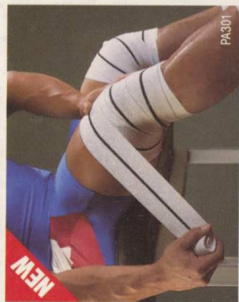
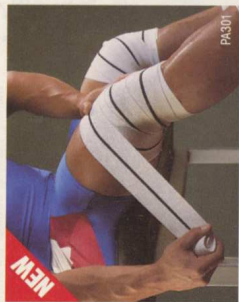
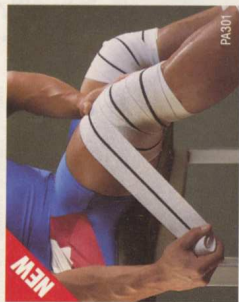
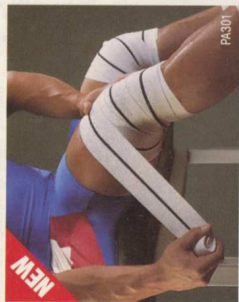
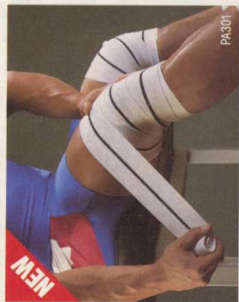
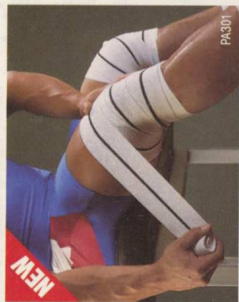
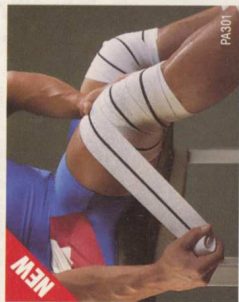
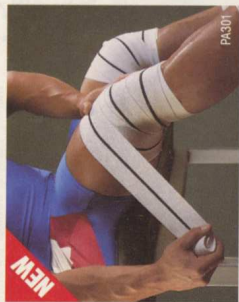
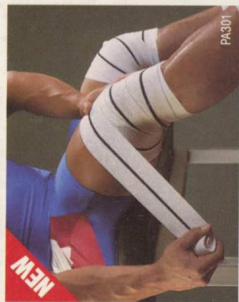
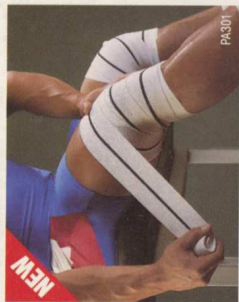
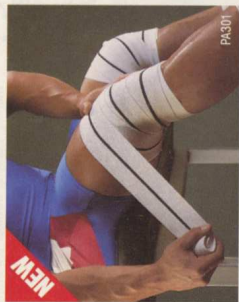
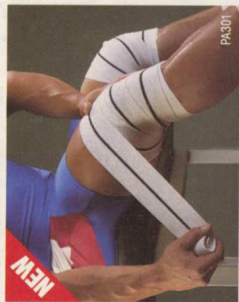
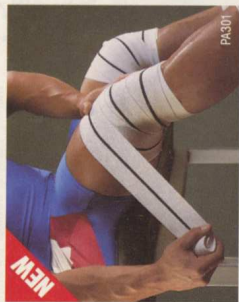
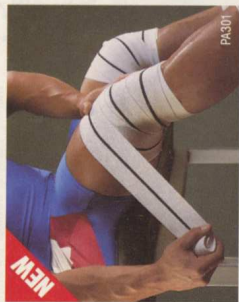
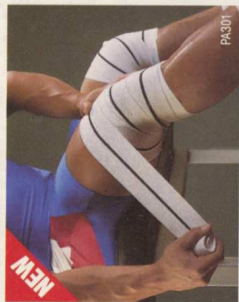
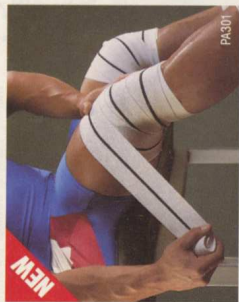
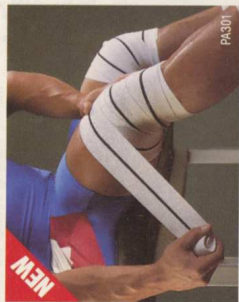
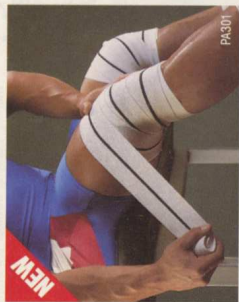
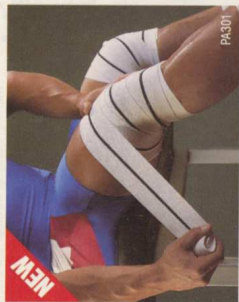
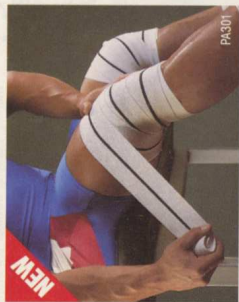
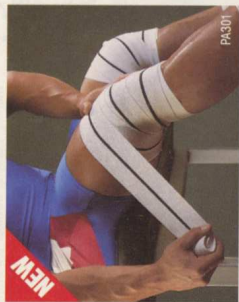
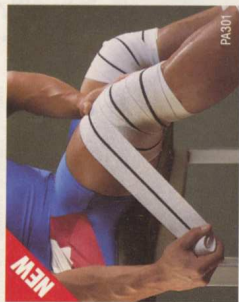
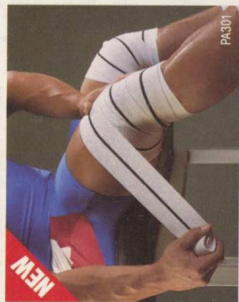
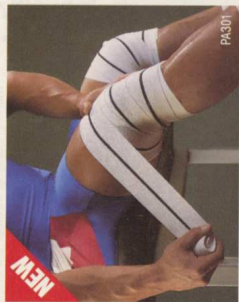
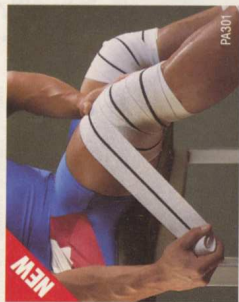
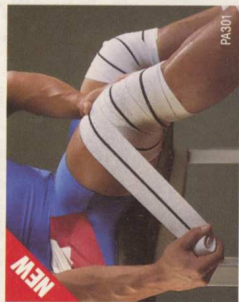
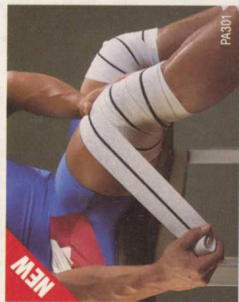
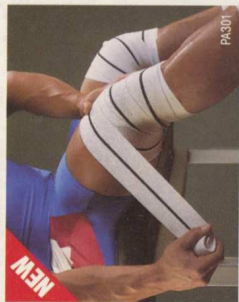
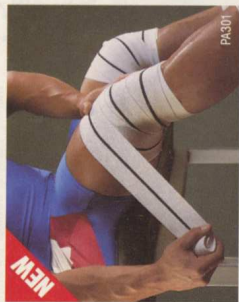
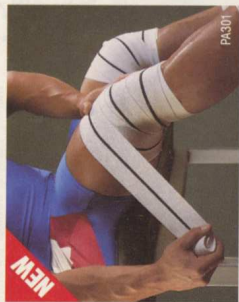
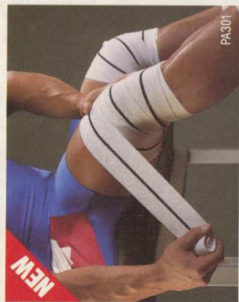
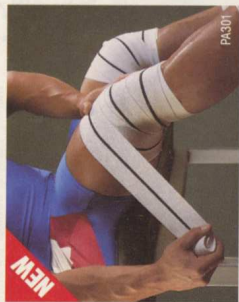
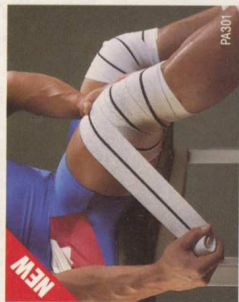
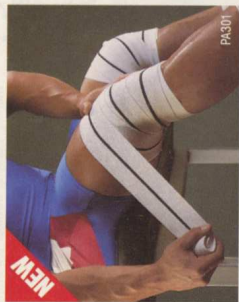
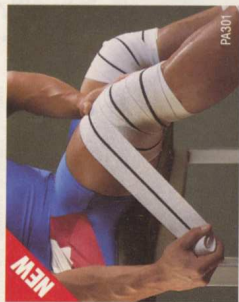
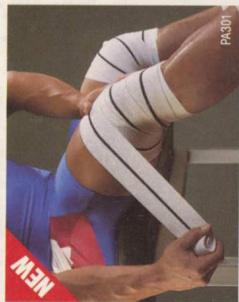
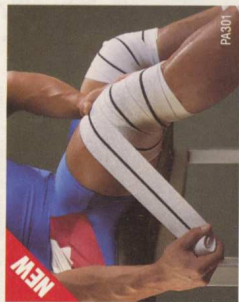
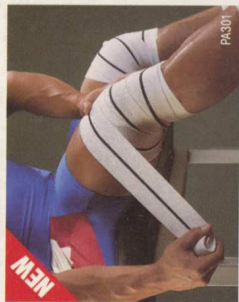
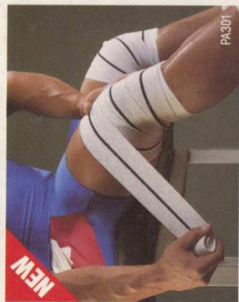
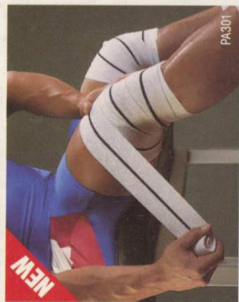
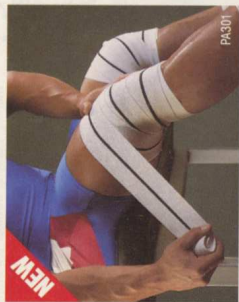
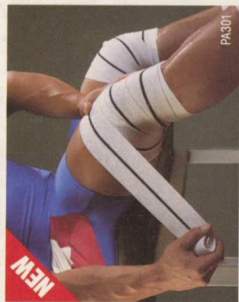
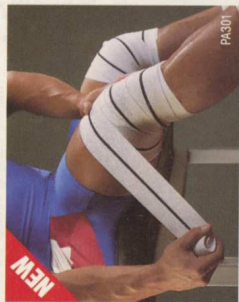
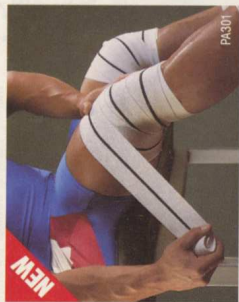
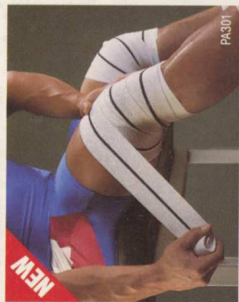
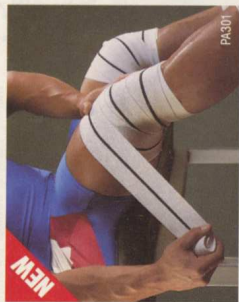
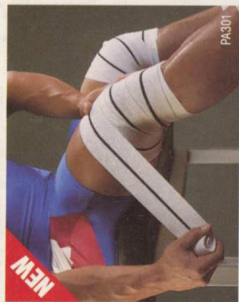
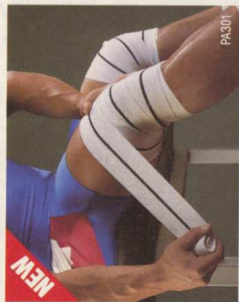
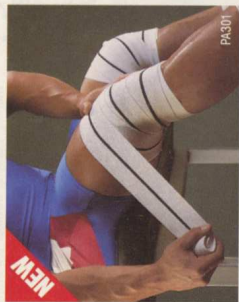
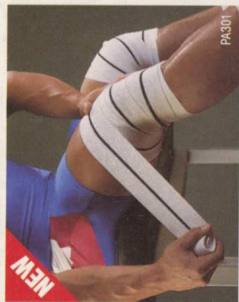
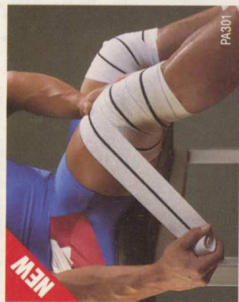
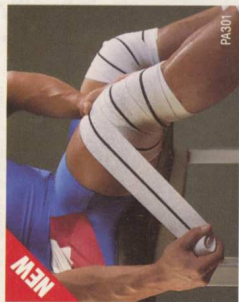
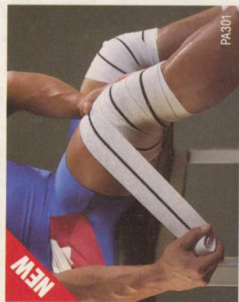
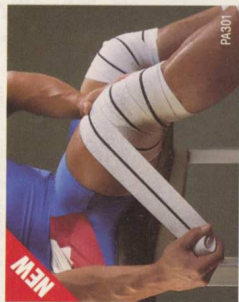
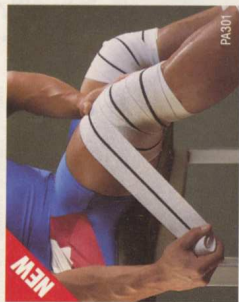
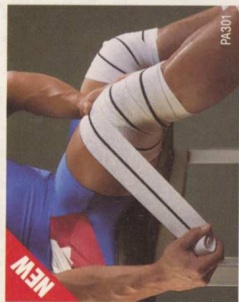
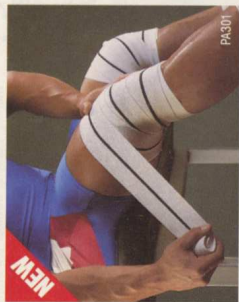
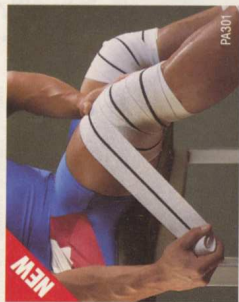
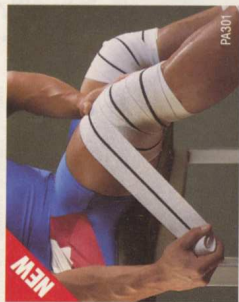
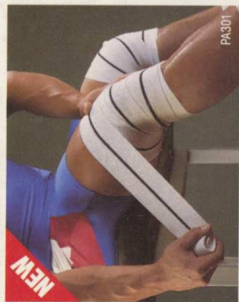
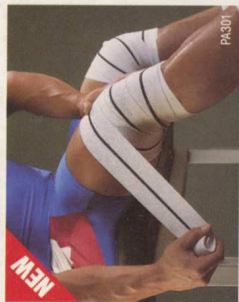
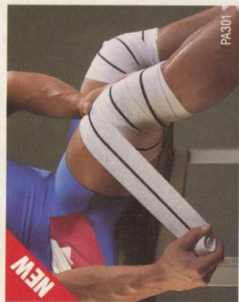
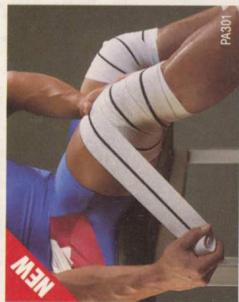
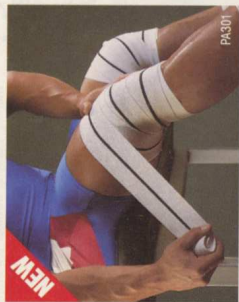
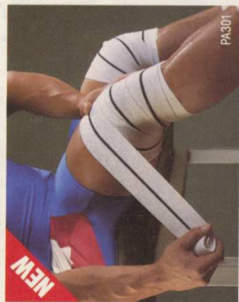
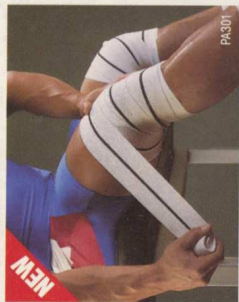
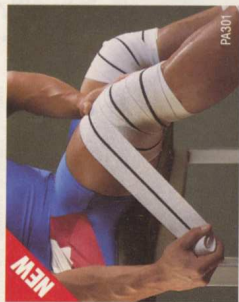
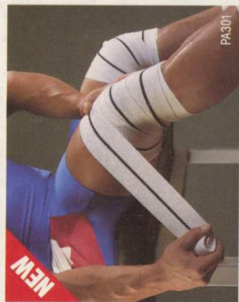
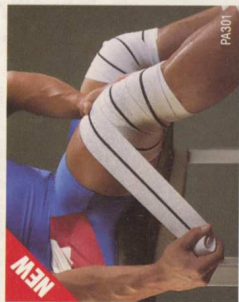
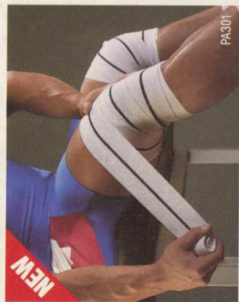
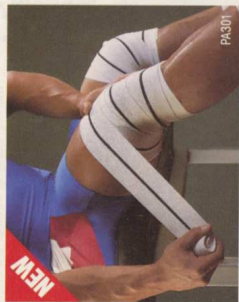
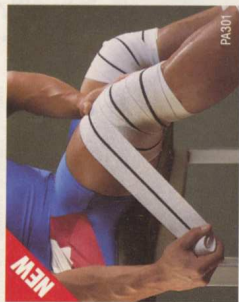
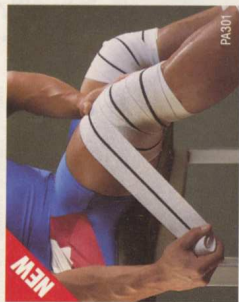
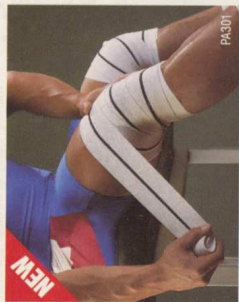
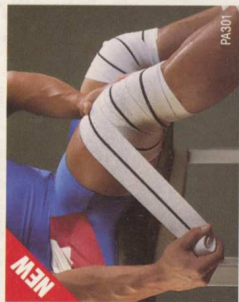
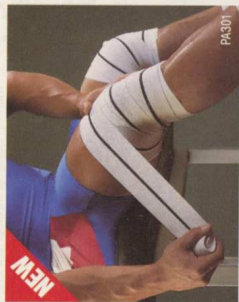
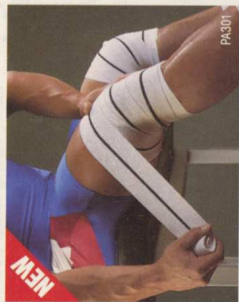
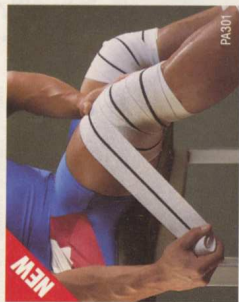
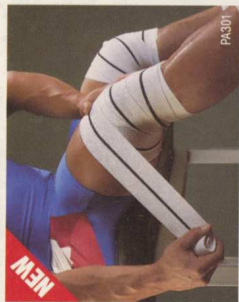
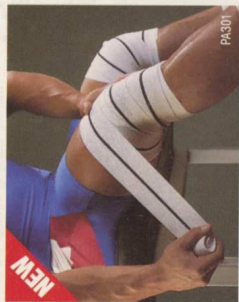
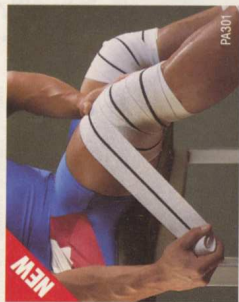
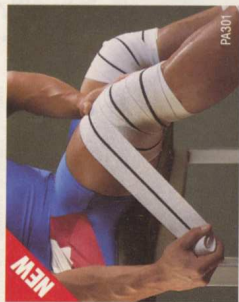
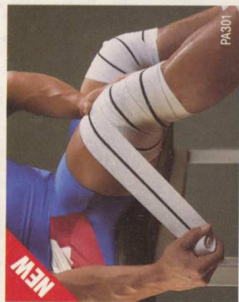
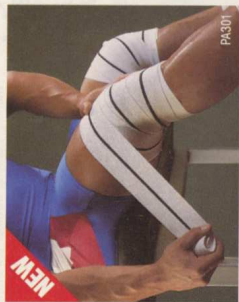
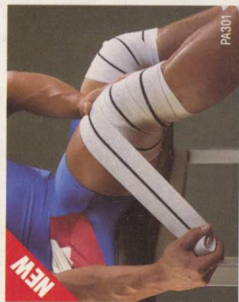
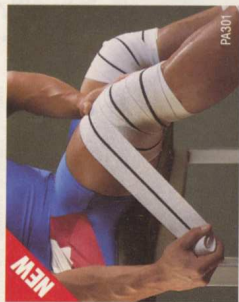
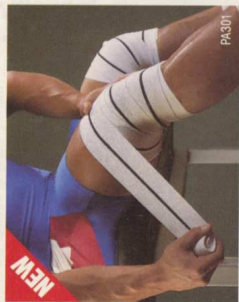
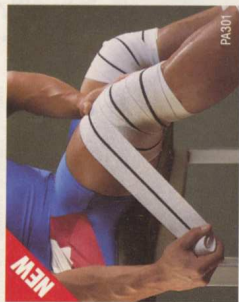
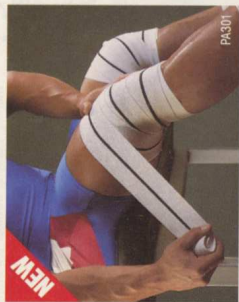
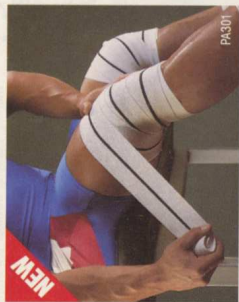
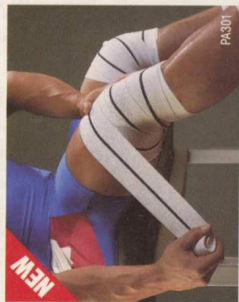
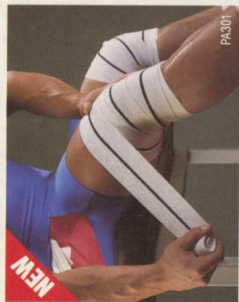
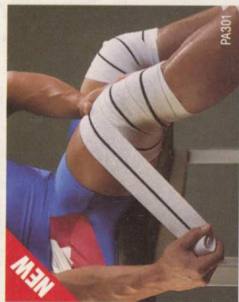
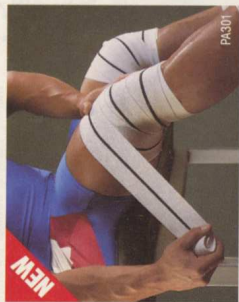
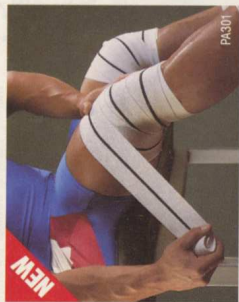
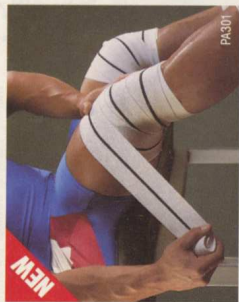
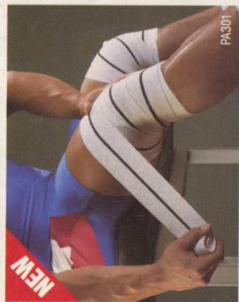
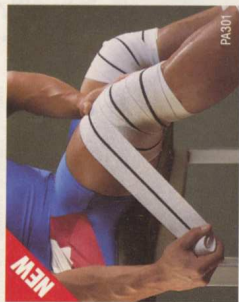
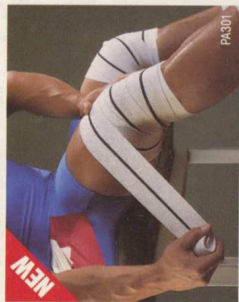
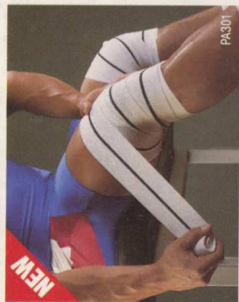
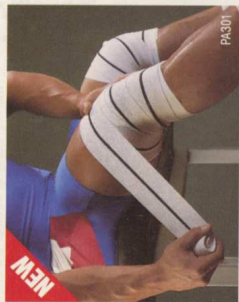
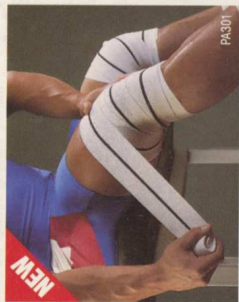
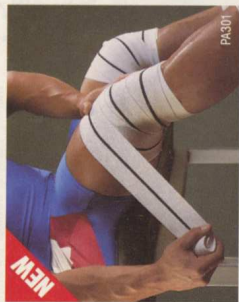
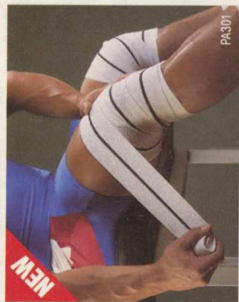
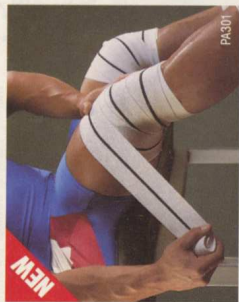
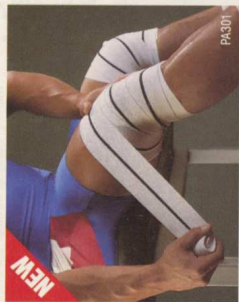
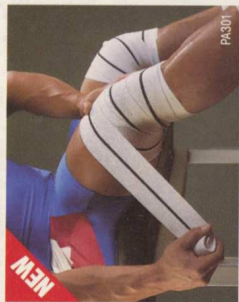
"Well I think it helps to participate in as many competitions as possible. Some lifters avoid entering meets until they think they have a good chance to win. This is not a good idea in my opinion. Also you need to prepare your mind as well as your body. Many athletes will spend years honing their bodies but forget entirely about their minds. The mind is just if not more important, then the body in the stressful situations of competition."

Judith M. Gedwey  
World Powerlifting Champion  
(12 years lifting experience)

"Stay drug-free. With a positive mind set to excel and consistent hard training, one can succeed well on in-

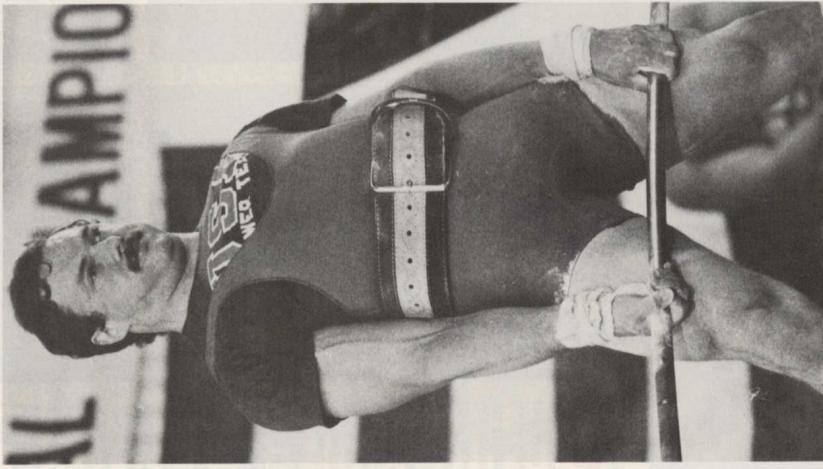
# POWER APPAREL™

## TOP QUALITY, LOWEST PRICES!



# TRAINING

## Workout Recovery Yields Powerlifting Success as told by JEFF CHORPENNING



**JEFF CHORPENNING**, remembers his roots as a novice lifter and always puts his advice in terms that the common lifter can relate to and utilize.

How often should I train? How many times a week should I squat, bench press, or deadlift? How heavy? These three questions are common ones heard in the gym and at contests. My mailbox and answering machine are often full of these type of training questions. As simple as these questions may appear, there are as many answers as there are lifters. A routine may lead one lifter to win a national title while it only hinders another. Whatever your routine, a lifter should keep some basic things in mind in order to get the fullest from training.

Overtraining or undertraining? Finding the perfect training level may seem impossible. To maximize the fullest effect from training, one's 'ideal' level of training should always be the goal. 'More is not always better.' A personal example I like to use is my deadlift training. I attained my best deadlift by pulling only twice a month in an eight to ten week time span. Other lifters I know never train the deadlift directly and pull records in contests! Improving the deadlift as with the other two lifts does not necessarily mean training more, heavier, or harder.

In order to find your personal 'ideal' training level, workouts should be monitored carefully. A workout log has helped me considerable in refining my routine to getting closer to an 'ideal' training level. My training log has become more than a list of sets, weights, and repetitions. It also serves as a record of other factors such as how the weight feels, outlook, bodyweight, workout attitude, atmosphere, etc. It is an advantage to listen to your body. Listen and make the appropriate decisions based on all related factors. Stick to your basic workout, but don't be too stubborn to adjust daily as needed. No trainer will be able to tell you some of the clues your body will. Listening and reacting to all body signals appropriately will hopefully lead you to an optimal performance on contest day. Every lifter, novice or elite, has the potential to improve their best lift. The main key to unlock this potential is to get as close as possible to your 'ideal' training level.

Most lifters at one point or another have 'tried' someone else's routine, often times ending in disappointment. Regardless of the method, the technique and adjustments to the workout are important when striving for the 'ideal' level of training. One good example from my own experience is the training I did prior to the 1987 APF Senior Nationals. I picked out the routine of one of the world's strongest deadlifters, Bret Russell. He pulls an upper 800 deadlift. It should be able to pull a mid-700 with this routine. I thought, 'Forgetting my adjustments, I set up my training routine on a strict percentage and multiple set and repetition basis. The last workout prior to the meet, I pulled multiple sets of 675 for reps ignoring the signs of fatigue. Meet day came and my 672 opener was if for the day! Moral of the story: a routine can look great on paper, but it must be adjusted and refined to be successful.

relievers can help if there is pain in the joints and muscles due to the heavier training. The idea of recovery is to legally and safely find alternatives to 'more drugs.' Many new strength supplements are now on the market. Looking through the lifting magazines today, trying to sort out the advertisements and find good supplements can be an overwhelming task! I have found it most beneficial for me to stick to the basics. I recommend a vitamin/mineral supplement, a protein supplement, (amino acids, protein powder, liver tabs, or other protein source), and a carbohydrate powder or drink. During contest periods, I often add one or two additional supplements to the list. The 'in' supplements seem to often be a fat. A few years back glandulars were the big craze. The later 80's seem to be the amino acid years as we go into the more expensive era of sniilax, boron, yohimbe bark, and dibenzozide. Supplements themselves can be faddish, but the basics of nutritional needs such as vitamins, protein, and carbohydrates remain constant. Proper supplementation will aid in the workout recovery process.

The average lifter could quickly go broke buying supplements, new products, or even drugs, but just like the workouts, higher quantity does not always mean a higher total! Another supplement point to keep in mind is that higher prices do not necessarily mean higher quality. Yes, this is the motto to Athlete's Natural. Regard them, a company endorses. Regard less of the brand. It's a good point to remember. Overuse of supplements is definitely a waste of money.

Whirlpools, saunas, saunas, stretching, massages, and sufficient sleep can be helpful, but the most recovery will come from the things you will not only abuse: fatigue and soreness but also reduce pre-activity anxiety. Stretching is also a great way to 'recharge' your muscles. Only if while in a whirlpool or steam room. I have found this to be a good time to stretch because the warmth of the water or room helps prevent the potential strains caused from stretching 'cold.' Warm muscles can stretch more easily. Spending 15 to 20 minutes in a whirlpool stretching two to four times weekly helps the recovery process. Massage is also a great way to speed up the recovery from a heavy workout and prevent overtraining. Linnings or rubs, hot and cold can be used not only during workouts, but for massage or after a stretching session.

By doing all you can to recover from workout to workout, the best maximal training should result. By keeping in mind some of the previous suggestions you should be rested and ready for the next workout and on the road to your next championship. Good luck in developing your own 'ideal' training program.

Feel free to write or ask questions:  
Total Power c/o Jeff Chorpenning  
1172 King Avenue  
Columbus, Ohio 43212.

# KUC'S FITNESS

## CLOTHES & ACCESSORIES FOR THE STRENGTH ATHLETE

**T-SHIRTS**

MultiColor Artwork  
Tee's SIM/L/XL/XXL Tanks SIM/L/XL

**\$9 ea. 3 for \$24**

**STAFF SHIRT**

**\$15.95**

SIM/L/XL/XXL

**SWEATSHIRTS**

**\$16**

SIM/L/XL

**SHORTS**

**\$9**

SIM/L/XL/XXL

**JACKETS**

**\$15**

SIM/L/XL

**GEAR BAG**

**\$16.95**

HUGE CANVAS EQUIPMENT BAG  
WILL HOLD ALL YOUR GEAR  
Blue or Red  
12" x 28"

**BRASS ARM KEYCHAIN**

**\$5.95**

**BRASS DUMBBELL KEYCHAIN**

**\$9.95**

**DUMBBELL NECKLACE (Gold or Silver)**

**\$8.95**

**DUMBBELL PIN**

**\$4.95**

Make check or money order payable to:  
**KUC'S FITNESS SYSTEMS**  
P.O. Box 215  
Mountaintop, PA 18707

Call in orders Toll Free **1-800-543-2497**  
\$2.50 Shipping on all orders - Foreign Orders add 20%



# Pacifico International Brings:

**NEW**

**Chromium Picolinate 1000 mg, 1 mg.**  
Highest Dosage: 5 times the potency of the exact same patented product sold elsewhere in this magazine. U.S. Patent #4,315,927  
100 capsules - \$21.00 200 capsules - \$39.00

**NEW**

**Muscle Explosion™** 6 Capsules - Dibencozide 10 mg, Smilax 200 mg, Inosine 1000 mg, Orchic Tissue 100mg, Beta Sitosterol 282 mg, Campesterol 112 mg, Stigmasterol 85 mg, Fucosterol 21 mg, Sereno Serrulata 500 mg, Boron 3 mg, Chromium Pocolinate 200 mcg, Ferulic Acid 200 mg, Vitamin B6 100 mg.  
No other product equals Power Explosion™, the Ultimate Supplement  
One box contains 30-3 capsule bags, 1 box - \$31.00 2 boxes - \$55.00

**NEW**

**Pure Dibencozide from Europe** This is not just vitamin B-12 that many of you are buying, thinking it's dibencozide. (Full report available).  
Sub-lingual 5 mg tablets, 100 - \$23, 200 - \$40. Stabilized-release 10 mg dibencozide (passes through your stomach intact). Does not break down until it reaches the upper intestinal tract. DON'T OVERPAY - COMPARE PRICES  
50 capsules - \$24.00 100 - \$39.00 150 - \$59.00 200 - \$76.00

**NEW**

**Dibencozide Gold™** Liquid with Ferulic Acid and Boron. Each serving contains 5 mg dibencozide, 35 mg Ferulic Acid, 100 mcg Boron.  
2 oz. bottle - \$24.00 2 bottles - \$45.00

**NEW**

**Metrabolin Gold** Chocolate flavor.  
Contains no sugar. Fantastic taste.  
2.2 lb. can - \$23.00 2 cans - \$40.00

**Yohimbe Bark Extract**  
500 mg, 100 capsules - \$18.00 200 - \$34.00  
750 mg, 100 tablets - \$24.00 200 - \$45.00  
1000 mg, 100 capsules - \$35.00 200 - \$60.00

**1-800-392-5496**  
(OHIO INCLUDED)  
2062 Republic Dr., Dayton, Ohio 45414  
COD • VISA • MASTERCARD  
Add \$2.00 postage FAX: 1-513-898-6064

## READER OPINIONS

After reading Ken Lesiner's observations of the 1989 ADFPA Women's Nationals, several statements disturbed me. It seems that the rules were adhered to and testing passed, but a great lifter was singled out as being some sort of alien from outer space. Jackie Pierce's name was mentioned in this writeup no less than 7 times. Mr. Lesiner went on to cite the exact amount of weight by which Ms. Pierce beat her opponent, whom Mr. Lesiner coaches. Many other women in this contest won their classes by considerable margins, yet this wasn't so noted. If all lifters submitted to and passed the required test (which has been the method of testing used in this federation for years), now is not the time to question the method or the results. I don't really feel that Mr. Lesiner meant to intentionally hurt Ms. Pierce or undermine her lifting ability, his purpose probably being to question the validity of the method of testing used. However, of the many lifters and fans in my area who read this article, most were concerned about its content as it related to Ms. Pierce. Perhaps, in the future, the time to question rules, testing methods, and the veracity of individual lifters should be dealt with at an administrative level prior to the meet. In any case, Ms. Pierce is, indeed, a mortal, albeit a talented lifter.

Laura Dodd, Columbus, OH  
.....  
This year in Orlando, at the ADFPA Women's Nationals, I saw another effect of drug use in athletic competition, the effect that suspension of drug use can have on all lifters. The speculation began Jackie Pierce qualified. Her lifts were spectacular, which I used to question about how she was tested, or if she was tested at all. A lot of energy was used in the explanations about why she was not the whole episode was especially fair to her. Because of random testing, she was denied the full acknowledgment of her performance. Random testing for all lifters. Random pre-testing accusations of favoritism and preferential treatment. While there was concern about Jackie Pierce, there was anger at the organization. Many lifters felt the ADFPA failed to uphold its standards for drug free competition, and to protect Jackie Pierce from speculation about her qualification to lift "drug free". The ADFPA needs to address these issues now to regain credibility for itself and all it stands for. Beth Beaton, Hixsville, NY  
.....

I am disgusted with the fact that there is so much talk of astronomical lifts and totals, when the power of the top men in the sport is no greater than, if even comparable to, greats like Paul Anderson and Doug Hepburn. Why is it so hard to admit the actual limitations of the human structure? Why the obsession with bigger numbers, when if you took away suits, wraps, and "juice", you'd have mainly the same totals as yesterday?

P. Harris, New York, NY  
.....  
My first meet was the 1980 Ohio State Championship. What a shock going from my basement gym to some of the finest lifters around. I have seen many changes since then, a mix of good and bad. We now have 3 associations, and many divisions, and I have competed in most of them. Through there are exceptions, most powerlifters cooperate and support each other at most meets. Powerlifting keeps my mind health and my body strong. It's a part of my life and I hope to compete for a long time. I competed in my first masters meet on June 19th. I met many fine lifters as well as their families. I can only hope that the sports leaders can cooperate and form one association that could provide meets suited to every lifter's ability. Steven G. Miller, Martins Ferry, OH  
(Opinions are edited for brevity, clarity, etc.)

## VitalLIFE Sport Products

THE LEADER IN SPORTS NUTRITION

# TESTOSTERONE

**BUILDS MASS AND STRENGTH!**  
and the 100% natural alternative is  
**Mexican Sarsaparilla**



- Mexican Sarsaparilla safely helps to raise the Testosterone level in your body
- It is the key for building mass, increasing strength and faster recuperation.
- Mexican Sarsaparilla is a natural herb and is 100% legal for ALL sports
- Contains the natural plant anabolics Smitagenin, Hecogenin and Diosgenin
- 500/500 mg. tablets,....\$21.95 for 2 month supply

Used by thousands of athletes around the world.

# DIBENCOZIDE

(5-6 dimethyl benzimidazole-cohomulide coenzyme)

A Powerful Non-Steroidal Anabolic Agent

The 100% Safe and Effective Pathway Towards Muscle Growth, Repair and Recuperation

**Athletes Throughout The World Are Reporting Amazing Size and Strength Gains Proclaiming That NO Steroid Could Match The Results They Achieved with DIBENCOZIDE.**

### FOREIGN PHARMACOPA STATES:

"DIBENCOZIDE aids in the synthesis of body building proteins. The therapeutic effect is the promotion of building amino acids for biosynthesis. DIBENCOZIDE has an importance in tissue structure and tissue regeneration as well as stimulation of growth and developmental processes of the cell"

100 Tablet Bottles 2500 mcg. per tablet **\$19.95**

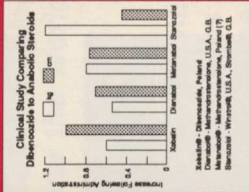
Sub-Lingual Liquid Formula 5000 mcg. per CC

2 fluid ounces per Bottle (60 CC).....**\$26.95**

Super High Potency Stabilized Capsules

10,000 mcg. per capsule.....**\$35.95**

100 capsule bottles.....



## SUPER FAT BURNERS

Super Fat Burners are the ultimate metabolic regulator. The ingredients in Super Fat Burners have been shown to:

- Reduce fat & cholesterol
- Protect liver, kidney & heart
- Increase cell metabolism for greater stamina
- Reduce high blood pressure
- Increase the energy output in cells for endurance

200 tablets.....**\$11.95**

100 capsule bottles.....

500 capsule bottles.....

### Why VitalLIFE Sport Products?

- 100% Natural ingredients made from the freshest, purest natural resources
- Highest quality USP grade ingredients
- Laboratory Certified for purity and potency

Send check or money order to:  
**VitalLIFE SPORT PRODUCTS, INC.**  
P.O. BOX 184 Dept. RV  
MARLBORO, NJ 07746

**SEND FOR OUR FREE CATALOG**  
call (800) 247-6263  
For information:  
1-201-972-2220

Each daily dosage contains:

Choline	2000 mg
Inositol	1000 mg
Methionine	400 mg
B6	100 mg
Biotaine HCL	400 mg
L-Carnitine	100 mg
L-Lysine	200 mg
Leucithin	200 mg
Iron	8 mg
Inosinic Acid	200 mg
Oleic Acid	100 mg

In the USA add \$3.00 for shipping. In Canada add \$4.00. US funds only.

We carry the finest supplements from  
**VitalLIFE, Universal, Nature's Best, Healthy 'N' Fit, Bricker Labs, Twinlab, Weider, Champion Foods** and more at Discounted Prices.









































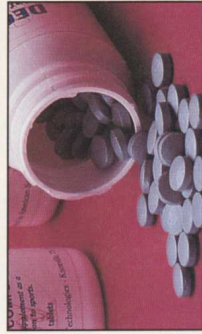
SCIENCE SCORES ONE FOR THE GOOD GUYS!

# NATURAL TESTOSTERONE ENHANCEMENT

competitive edge.

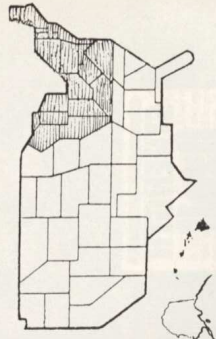
Always train naturally, never use artificial steroids. Anabolic steroids are dangerous! They are known to cause permanent damage to the body... even death!

Now you can train and supplement naturally and with complete safety with DECA NATURAL Boron Complex and SMILAX PLUS! Train the American way... naturally!



**New Low Introductory Prices!**  
**DECA SMILAX**  
**Natural PLUS**  
**\$10.95 \$16.95**  
**30 DAY SUPPLY 2 oz./60 day supply**  
 All orders shipped Next Day via UPS C.O.D. payment required, cash, money order, certified or cashier's check! Sorry, no personal checks accepted

What is especially positive about those results is that they were achieved without negative side effects! Boron is a 100% natural nutrient!



If you live in the shaded areas call:  
**B.O.S.S. (717) 342-4984**  
 P.O. Box 132  
 Scranton, PA 18504-0132

If you live in the unshaded areas or Canada call:  
**American Sports Technologies: 1 800 888-8216**

Individual athlete inquiries will be referred to authorized dealers or shipped direct if no dealer is available in their area!



**American Sports Technologies, Inc.**  
 6512 Baum Drive, Suite #12  
 Knoxville, Tennessee 37919  
 Telephone: (615) 584-8216  
 FAX: (615) 588-8667

AMERICAN SPORTS TECHNOLOGIES  
 "IN SEARCH OF NATURE'S SECRETS"

of calcium as compared to a non-treated group. Further analysis, however, yielded a very unexpected shocker: THE BORON TREATED GROUP DOUBLED AND TRIPLED THEIR LEVELS OF NATURALLY OCCURRING TESTOSTERONE!

Stunned, the scientists completed further analysis and the increases were proven real. Incredibly, it was discovered that these increases typically occurred within eight (8) days after beginning boron supplementation, and would last as long as the boron supplementation continued.

In an effort to explain these startling results, Dr. Curtis Hunt, a medical anatomist with Human Nutrition Center wrote, "The body needs boron to synthesize estrogen and other steroid hormones, e.g. testosterone, and may protect the hormones against rapid breakdown."

Additional studies with boron have yielded a similar doubling and tripling of testosterone in marathon and strength athletes. The amount and the effect of testosterone produced may vary by individual dependent on age, diet, exercise intensity, metabolism and other biological factors.

What is especially positive about those results is that they were achieved without negative side effects! Boron is a 100% natural nutrient!

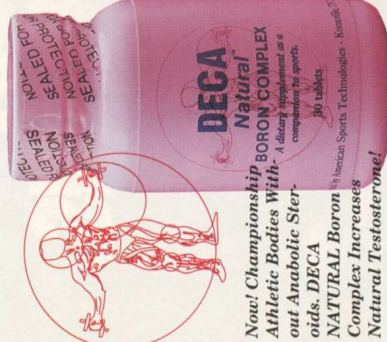


**The Boron Smilax Connection**  
 Smilax officinalis, an herb, increases the body's ability to synthesize testosterone. The mechanism behind this is believed to involve an increase in the raw materials available to make testosterone. Like boron, smilax is totally safe and completely natural!

American Sports Technologies has formulated a totally new smilax supplement called SMILAX PLUS! The new formula is made from the leaf of the South American Smilax Officinalis. The leaf of the plant is thought to be the richest source of raw materials.

**SMILAX PLUS contains both L-Arginine and Inosine!**

When DECA NATURAL and SMILAX PLUS are used in combination they assure the athlete of a healthy, strong,



**Now! Championship Athletes With- out Anabolic Steroids. DECA NATURAL Boron Complex Increases Natural Testosterone!**

The Discovery  
 Science has revolutionized the nutritional supplementation of the natural athlete! Medical scientists at the United States Department of Agriculture's Human Research Center have announced the discovery of a specific boron that will dramatically increase the levels of naturally occurring steroid hormones in the human body! This amazing substance doubled and tripled levels of testosterone in the test subjects!

### How Boron Works

Boron, when taken in supplement form, enters the blood stream and seeks out naturally occurring steroid hormones that are one small chemical step away from being physiologically active. When the boron finds such a molecule it adds a hydroxyl (hydrogen-oxygen atoms) group to them thus making them biologically useful natural steroid hormones. This is a natural and totally safe process as there is no introduction of artificial steroids.

### DECA NATURAL Boron Complex

The medical research team at American Sports Technologies has succeeded in formulating this specific boron type into a product called DECA NATURAL Boron Complex! DECA NATURAL is now available in select gyms, healthfood stores and athletic training centers in the United States!

If athletic performance, strength and endurance are important to you, achieve quickly, with 100% safety, by using DECA NATURAL Boron Complex... the strongest purest boron complex available! Accept no substitutes, there are many types of boron, but only the specific form in DECA NATURAL Boron Complex leads to natural steroid synthesis!

### The Story of Boron's Discovery

Doctors working at the USDA Human Nutrition Research Center were analyzing blood samples taken from a group of older post-menopausal women. The women were part of an osteoporosis study and were treated with 3 mgs. of boron daily in the hopes of increasing bone density. As expected, the boron treated group had increased levels

The Natural Choice  
 Vitamin Co.

offers you  
**BEST QUALITY**  
**LOW PRICES**

**DISCOUNT OFFER**

**CHROMIUM PICOLINATE 1000 mcg.**  
 U.S. Patent #4,315,927 is  
**PURE CHROMAX II™**  
 Now save bigger than ever. Buy one 1000 mcg. 100 size for \$24.95 and the 2nd one for \$12.50, a \$49.90 value for \$37.45. SAVE \$12.45

<b>DIBENGOZIDE 10 MG.</b> Now with Intrinsic Factor & Folic Acid 50 mg. for Strength Increase 100 Tablets <b>\$32.00</b>	<b>DIBENGOZIDE 10 MG.</b> Now with Intrinsic Factor & Folic Acid 50 mg. for Strength Increase 100 Tablets <b>\$24.95</b>	<b>DIBENGOZIDE 10 MG.</b> Now with Intrinsic Factor & Folic Acid 50 mg. for Strength Increase 100 Tablets <b>\$21.00</b> 1 oz. <b>\$11.95</b>	<b>AMINO ACID 1900 MG.</b> Free Form Peptide Bond with GH Factors 350 Tablets <b>\$16.00</b> 700 Tablets <b>\$29.95</b>	<b>AMINO ACID 1725 MG.</b> Free Form Peptide Bond with GH Factors 350 Tablets <b>\$14.00</b> 700 Tablets <b>\$25.95</b>	<b>AMINO ACID 1000 MG.</b> Free Form Peptide Bond with GH Factors 350 Tablets <b>\$12.00</b> 700 Tablets <b>\$21.95</b>	<b>AMINO ACID 2500 MG.</b> Free Form Peptide Bond with GH Factors 350 Tablets <b>\$21.00</b> 700 Tablets <b>\$39.95</b>	<b>AMINO ACID 2100 MG.</b> Free Form Peptide Bond with GH Factors 350 Tablets <b>\$18.00</b> 700 Tablets <b>\$33.95</b>
<b>AMINO ACID 1900 MG.</b> Free Form Peptide Bond with GH Factors 350 Tablets <b>\$16.00</b> 700 Tablets <b>\$29.95</b>	<b>AMINO ACID 1725 MG.</b> Free Form Peptide Bond with GH Factors 350 Tablets <b>\$14.00</b> 700 Tablets <b>\$25.95</b>	<b>AMINO ACID 1000 MG.</b> Free Form Peptide Bond with GH Factors 350 Tablets <b>\$12.00</b> 700 Tablets <b>\$21.95</b>	<b>AMINO ACID 2500 MG.</b> Free Form Peptide Bond with GH Factors 350 Tablets <b>\$21.00</b> 700 Tablets <b>\$39.95</b>	<b>AMINO ACID 2100 MG.</b> Free Form Peptide Bond with GH Factors 350 Tablets <b>\$18.00</b> 700 Tablets <b>\$33.95</b>	<b>AMINO ACID 1000 MG.</b> Free Form Peptide Bond with GH Factors 350 Tablets <b>\$12.00</b> 700 Tablets <b>\$21.95</b>	<b>AMINO ACID 2500 MG.</b> Free Form Peptide Bond with GH Factors 350 Tablets <b>\$21.00</b> 700 Tablets <b>\$39.95</b>	<b>AMINO ACID 2100 MG.</b> Free Form Peptide Bond with GH Factors 350 Tablets <b>\$18.00</b> 700 Tablets <b>\$33.95</b>
<b>Branched Chain Amino Acid Complex</b> 750 mg. 120 Capsules <b>\$16.95</b> 60 Capsules <b>\$8.95</b>	<b>FAT BURNERS</b> Lipotropic Formula 180 Tablets <b>\$21.00</b> 90 Tablets <b>\$10.95</b>	<b>MAXIMIZER PLUS PAK</b> Complete Vitamin Packets Now with 3000 mg. C 90 Day Packets <b>\$51.00</b> 60 Day Packets <b>\$34.95</b> 30 Day Packets <b>\$17.95</b>	<b>WINNERS PLUS PAK</b> Complete Vitamin Packets Now with 1000 mg. C 90 Day Packets <b>\$45.00</b> 60 Day Packets <b>\$31.00</b> 30 Day Packets <b>\$15.95</b>	<b>STRENGTH PAK</b> Amino Acids, 5000 mg. Dibenzozide, 10 mg. Smilax, 3000 mg. Inosine, 1000 mg. Boron, 5 mg. 60 Packets <b>\$78.00</b> 30 Packets <b>\$39.95</b>	<b>BORONAL 5000</b> 5 mg. Boron 10 mg. Nicotin For Strength and Muscle Recovery 2 oz. <b>\$27.00</b> 1 oz. <b>\$14.95</b>	<b>DECA BORON COMPLEX</b> Boron 3, Stereone Steroids 500 mg. Smilax 200 mg., Gamma 50 mg. Ornic Tissue 100 mg. 100 Capsules <b>\$21.95</b> 2 for <b>\$21.95</b> 250 Capsules <b>\$26.00</b> 2 for <b>\$49.95</b>	<b>GAMMA ORYZANOL 1000 MG.</b> With Ferulic Acid For Strength Increase 60 Capsules <b>\$13.95</b> 30 Capsules <b>\$6.95</b>
<b>LIVER 2000 MG. +</b> With B-12 Builds Muscle Mass 325 Tablets <b>\$12.00</b> 650 Tablets <b>\$21.95</b>	<b>LIVER 1500 MG. CAPSULES</b> With B-12 Builds Muscle Mass 300 Capsules <b>\$22.00</b> 600 Capsules <b>\$41.95</b>	<b>DECA BORON COMPLEX</b> Boron 3, Stereone Steroids 500 mg. Smilax 200 mg., Gamma 50 mg. Ornic Tissue 100 mg. 100 Capsules <b>\$21.95</b> 2 for <b>\$21.95</b> 250 Capsules <b>\$26.00</b> 2 for <b>\$49.95</b>	<b>NATURAL STEROL COMPLEX</b> Natural Energy Stimulants 180 Tablets <b>\$21.00</b> 90 Tablets <b>\$10.95</b>	<b>NATURAL STEROL COMPLEX</b> Natural Energy Stimulants 180 Tablets <b>\$21.00</b> 90 Tablets <b>\$10.95</b>	<b>BORONAL 5000</b> 5 mg. Boron 10 mg. Nicotin For Strength and Muscle Recovery 2 oz. <b>\$27.00</b> 1 oz. <b>\$14.95</b>	<b>YOHIMBE 1000 MG.</b> 100 Capsules <b>\$39.00</b> 2 for <b>\$75.00</b> <b>YOHIMBE 500 MG.</b> 100 Capsules <b>\$19.95</b> 2 for <b>\$35.00</b>	<b>FAST CUTS</b> L-Arginine L-Ornithine L-Carnitine for cutting up 2 oz. <b>\$24.95</b> 1 oz. <b>\$13.95</b>
<b>ORCHIC TEST</b> Builds Muscle Mass and Strength Increase 2 oz. <b>\$29.95</b> 1 oz. <b>\$16.95</b>	<b>SMILAX OFFICIALIS</b> 100% Pure Extract 2 oz. <b>\$12.95</b> 1 oz. <b>\$6.95</b>	<b>YOHIMBE EXTRACT 10X</b> Sublingual Liquid For Strength Increase 2 oz. <b>\$24.95</b> 1 oz. <b>\$12.95</b>	<b>YOHIMBE 1000 MG.</b> 100 Capsules <b>\$39.00</b> 2 for <b>\$75.00</b> <b>YOHIMBE 500 MG.</b> 100 Capsules <b>\$19.95</b> 2 for <b>\$35.00</b>	<b>YOHIMBE 1000 MG.</b> 100 Capsules <b>\$39.00</b> 2 for <b>\$75.00</b> <b>YOHIMBE 500 MG.</b> 100 Capsules <b>\$19.95</b> 2 for <b>\$35.00</b>	<b>YOHIMBE 1000 MG.</b> 100 Capsules <b>\$39.00</b> 2 for <b>\$75.00</b> <b>YOHIMBE 500 MG.</b> 100 Capsules <b>\$19.95</b> 2 for <b>\$35.00</b>	<b>100% EGG AMINO</b> Derived from Pure Egg Whites, with Biotin 350 Tablets <b>\$23.00</b> 700 Tablets <b>\$45.00</b>	<b>100% METABOLIC OPTIMIZER III</b> with Dibenzozide, Chromium Piccolinate, Gamma Oryzanol, Ferulic Acid, Plant Sterols, Smilax Officinalis, Boron 32 oz. <b>\$21.00</b> 12 oz. <b>\$11.50</b>
<b>INOSINE 1000 MG.</b> Strength Increase Muscle Recovery 100 Capsules <b>\$21.00</b> 50 Capsules <b>\$12.95</b>	<b>INOSINE 500 MG.</b> Strength Increase 100 Capsules <b>\$12.95</b> 50 Capsules <b>\$6.95</b>	<b>SUPER CARBO NATURAL</b> for fast recovery 2.2 lb. <b>\$12.00</b> 2 for <b>\$21.95</b>	<b>WEIGHT GAIN 2025 CALORIE</b> 48 oz. Vanilla <b>\$18.00</b> 48 oz. Chocolate <b>\$18.00</b>	<b>WEIGHT GAIN 2025 CALORIE</b> 48 oz. Vanilla <b>\$18.00</b> 48 oz. Chocolate <b>\$18.00</b>	<b>WEIGHT GAIN 2025 CALORIE</b> 48 oz. Vanilla <b>\$18.00</b> 48 oz. Chocolate <b>\$18.00</b>	<b>100% EGG AMINO</b> Derived from Pure Egg Whites, with Biotin 350 Tablets <b>\$23.00</b> 700 Tablets <b>\$45.00</b>	<b>100% METABOLIC OPTIMIZER III</b> with Dibenzozide, Chromium Piccolinate, Gamma Oryzanol, Ferulic Acid, Plant Sterols, Smilax Officinalis, Boron 32 oz. <b>\$21.00</b> 12 oz. <b>\$11.50</b>

To Order Call Toll Free 1-800-445-6512

When mailing orders send to:

Natural Choice Vitamin Co. • P.O. Box 6344 • Peoria, Illinois 61601

Add \$2.00 postage per item • Dealer Information Available

**VISA/ MASTERCARD**

# POWERBELT

Now a full line of Pacifico Powerful apparel for today's smart Power Lifters and Body Builders. Our wide variety of belts, suits, briefs and wraps are smartly designed for maximum wearability and made with the finest of materials. Guaranteeing you the upmost in style, safety and all of the function that you've come to expect from Pacifico Enterprises.

Put Pacifico Powerful apparel to work for you during your next workout and train like a PRO!

**TITAN SUIT A** — Superior power Titan Suit A (shown in navy blue), high-cut and guaranteed against crutch blow-out. The No. 1 in the world. In Navy Blue, Royal Blue or Burgundy . . . \$34/2 for \$60.

**TITAN SUIT B** — Superior power Titan Suit B (shown in burgundy), low-cut with the same guarantee as the Titan A. In Navy Blue, Royal Blue or Burgundy . . . \$34/2 for \$60.

**BRIEFS** — Worn under the squat suit as underwear it adds support where it counts plus adds up to 20 lbs. . . . \$16.

**NEW REDLINE PLUS WRAP** — Now more stretch than ever and it's still the #1 strength wrap of all time. Compare to the old Redline Plus. Realine PLUS introduced priced at \$12.50 (Now \$11). 3 pair \$24/10 pair \$60.

**VELCRO WRIST WRAPS** — Comfortable elastic with convenient thumb loop and velcro fasteners . . . \$6 (pair)/2 for \$11.

**WHEN ORDERING**  
Suits — specify height, weight, hip, thigh measurements, color/style & quantity.  
Belts — please include product description, quantity, waist size and color(s).  
Wraps — please indicate quantity and style desired.  
Provide name, full address, city/state/zip. Shipping charges: Inside USA add \$2. Outside USA add 20% of total for surface mail or 30% of total for air mail.

**PACIFICO ENTERPRISES**  
2160 Republic Dr. • Dayton, OH 45414  
Order Yours Today! Call Toll-Free 1-800-392-5196  
Ohio Residents call: 513-898-7245. Check, Money Order, VISA and Mastercard accepted.  
Ohio residents please add 6% sales tax.

Guaranteed One Week Delivery!

**Superior Belt** — Double thickness with 6 rows of stitching. Available in any one, two or three color combination . . . \$54.

**Superior Belt** — Double thickness with 4 rows of stitching. Available in any one or two color combination . . . \$44.

**Superior Tapered Belt** — Double thickness with 4 rows of stitching. Available in any one or two color combination . . . \$40.

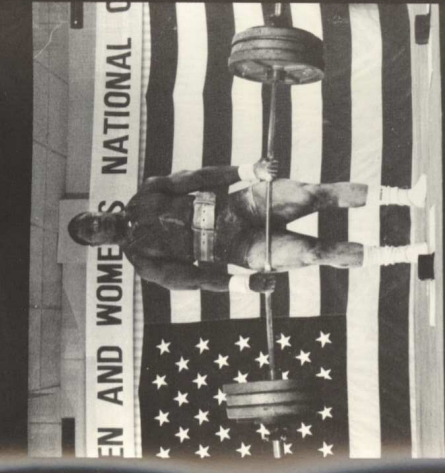
**Superior Tapered Belt** — Single thickness with 2 rows of stitching. Available in any color . . . \$30.

**NEW Velcro Belt** — New easy to fasten Velcro Belt holds as strong as buckle styles. Single thick leather, safe supportive and comfortable. Available in any color . . . \$33.

**Solid Leather Belt** — Single thick, solid leather style designed as a training belt . . . \$18.

Call to ask about colors available that are not shown.

Guaranteed One Week Delivery!



**Curtis Leslie**  
1988 A.P.F. World Champion  
1988 A.P.F. Jr. National Champion  
1988 A.P.F. Sr. National Champion  
A dedicated believer in Bricker's formulas  
**NOT SOMEONE WE HIRED TO SAY NICE THINGS**  
**A Real Class Champion**

**GAMMA ORYZANOL** is a fat-soluble compound — Now Through A Special Process — Bricker Labs Has Taken Globules Of Gamma Oryzanol And Dispersed It Into Water Molecules Making This Outstanding Anabolic Agent — "Water Dispersible" And Increasing Absorption by 200%. Plus . . . Plus . . . Plus — **PLUS**

**FREE FORM "FERULIC ACID" HAS BEEN ADDED FOR EXTRA ANABOLIC RESULTS.**

**FOR REAL ABSORPTION and INCREDIBLE GAINS ORDER NOW !**

Till now research indicates the excellent results attained using Gamma Oryzanol is from the natural occurring ferulic acid in Gamma Oryzanol. Now with the whole sterol complex available for absorption, results will be tremendously enhanced. With the addition of free-form FERULIC ACID the results are AWESOME.

2 Oz. — \$12.00 (30 day supply for light workouts)  
4 Oz. — \$22.00 (30 day supply for heavy workouts) (4 days a week or more)

**OTHER QUALITY FORMULAS**  
• Amino Acids • GH Enhancers • Dihydroepiandrosterone  
• Lipotropics • Endurance Caps • Special - Sublingual Glanuloids & B-12

Available at most GNC and Health Food Stores

**NATIONWIDE 1-800-952-9568 3 DAY RUSH DELIVERY AVAILABLE IN CALIF. 1-800-621-4172**

• CALL FREE 24 HOURS 7 DAYS

FOREIGN TOLL FREE FROM  
Canada 800-541-6247  
Britain 0800-891010  
W. Germany 0130-810126  
Japan 0031-11-1123  
S. Korea 001-1-800-9098210  
California Time 7 a.m. - 5 p.m. (VISA/MC)  
Bricker Labs, 18722 Santee Lane  
Valley Center, Calif. 92082

NAME \_\_\_\_\_ ADDRESS \_\_\_\_\_  
CITY/STATE/ZIP \_\_\_\_\_  
 VISA/MC # \_\_\_\_\_  
 CHECK  MO \_\_\_\_\_ EXP. \_\_\_\_\_

Add \$2.00 for shipping or \$4.00 for 3 day RUSH. \$2.00 for C.O.D. 10% off orders over \$100. Allow 7 days regular delivery. Outside U.S.A. add 25%. Military APO/FPO orders shipped free. Calif. res add 6 1/2% tax.

**BRICKER LABS — MAJOR BREAK-THROUGH EMULSIFIED GAMMA ORYZANOL plus FREE-FORM FERULIC ACID GAMMA-SORPTION™**

Till Now Less Than 10% of Gamma Oryzanol could be absorbed.  
BRICKER LABS NEW "EMULSIFIED" GAMMA ORYZANOL OFFERS A 200% INCREASE IN ABSORPTION

THAT MEANS A 200% INCREASE IN MUSCLE MASS and STRENGTH GAINS  
GAMMA ORYZANOL is an extremely difficult substance to absorb — much like Beta-sitosterol and that is why we made a special EMULSION of Beta-sitosterol for formulas • AW-SOME • STRAIGHT GROWTH • POWER-BUILT

This is why we have a reputation for QUALITY