Prevention Of Over-Training

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This article was written for "THE FIRST AIDER" in 1934. We are reprinting it for three reasons. (1). Because many of our regular coaches are in the Service and others must pinch-hit for them. (2). Because we consider it the best training article we have ever published. (3). It is timely.

Another psychological fact of

After TWENTY MINUTES, or

less, a boy fails to learn any more

fail to improve, but he loses interest

in that stunt and will not want to

performance is poorer than expect-

ed we have gritted our teeth and

"That is terrible. You fellows

Psychology definitely has proved

under such a method the players

Those responsible for the rules of

our various games know that the

rest periods provided. An inning

in baseball consumes about twenty

fifteen minute periods. Basketball

has similar divisions, with no per-

iod of effort longer than twenty

In addition to this necessary vari-

ation of activity, the Law of Freq-

the number and length of practices.

This can be noted in other lines

A reasonable application of some

1. Write out the practice sched-

2. Arrange stunts and scrim-

(4.) Plans for pre-season work-

5. After the playing season is

6. Call off all practices the day

under way, three or four practices

outs should include not more than

From the technical angle, the There are still earlier indications cian. coach of any sport designs the prac- which might be noted. A normal tice sessions with two main object- youngster is ambitious, comparativeives in mind. First, he wishes to aid ly exhuberant, somewhat hilarious his players in development of indi- and mischievous when he is happy. vidual skill and weld them into a While a coach must control these Play Safe With smooth working team; and, second- expressions to some extent, he ly, he hopes to bring about a fine should feel alarm when they are balance between mental and physi- missing. Take "fun" out of the Tape Remover cal conditions of each athlete to practices and staleness soon creeps insure the most efficient perform- in. Diagnose the remarks made by ance in the approaching contest. your players, note their actions in Simultaneously, then, the coach is the dressing room and during rest adhesive tape is a dangerous pracboth TRAINING and CONDITION- periods. The boys unconsciously tice. In the past there have been ING his players.

Coaching methods are good or close attention to these signs. Aloofbad, according to the manner in ness may aid your professional dig- Gasoline may seem economical, which these two factors are nity but it certainly will kill your but is it? Somtimes insurance comhandled in the practice periods. If contacts which prevent staleness. attempts to build excellent performance are stressed in long or hard workouts there is a grave danger value to the coach is stated in the that the physical or mental condi- Law of Frequency which informs tioning may rob the player of an us that there are individual psysioability to make the best use of his logical and mental time limits for acquired skill when faced with the efficient progress of the learning stress of stiff competition. On the process, and that after these time other hand, should the practices limits are reached no learning be too short, too few, or too easy, takes place. According to Griffith, the conditioning factors may be the time limit for most tasks such handled properly but the necessary as single skills like basket shooting skill will be lacking. Under each dribbling etc., is approximately situation a game may be lost to twenty minutes. opponents who ordinarily are weaker.

It is obvious, then, that the rela- about any stunt. Not only does he tionship between TRAINING and CONDITIONING often are antagonistic. Unquestionably the big- repeat it. Yet we all have been gest problem in coaching is to keep guilty of sending our teams through these two factors in relative harm- a drill or a scrimmage, and if the ony and proper balance.

We know more about TRAINING growled, than CONDITIONING, because results are more obvious and easier to measure accurately. By charts, either do that right or you keep at by records and by observation each it until you do." coach has standards of accomplishment by which he rates the ability of each player, but there are few that such procedure is wrong, and definite measurements of his stage that only the coach is to blame if of conditioning. Of the two phases of conditioning, physical and men- lose interest and fold up at a crittal, the former lends itself to the ical time. more accurate rating. Weight variations for instance, tell us a lot about physical shape, but where is the coach who can know in ad- types of activity must be varied or vance whether or not his players have the highest degree of mental balance? Our tests of skill and phys- minutes. Football is divided into ical condition may indicate a fine preparation for competition, but only the game performance shows us if the boy or team is "hot". If minutes. Unquestionably, the time proper mental condition is missing, to be devoted to practice should be little can be done about it, and the divided along the same lines. coach is forced to squirm on the bench while he suffers the agony of watching his boys operate far below their normal standards. An uency has important bearings on honest coach must put the responsibility for this failure squarely on his own shoulders for obviously he of learning in which school mastfailed to recognize in the practice ers recognize this law by limiting sessions the warnings of staleness concentration on each scholastic which were present there. subject to one hour or less per day,

with seldom more than five such Mental factors are so complex periods per week. Also they apply that while we never can be cer- it by lightening the effort just pretain of our rating so as to tell just ceding important tests when they what will happen, nevertheless there use reviews and cease attempts to are some facts regarding the subadd new material. ject which point the way to prevention of overtraining, commonly After all, coaches are teachers and known as staleness. This article methods useful in one line of teachwill attempt to explain some of ing should have equal force in aththese facts. Either through sad ex- letics. Yet we find teams being perience or by study, the veteran sent through two-hours work-outs coach has the facts at hand and five days a week with the expectamakes expert use of them. Young tion that they will be in good form coaches, however, often become so on the sixth. We extract all of a engrossed with the development of boy's physical and mental energy skill that they ignore these nervous in hard practices and shift the reaspects of performance. Readers are sponsibility when there is nothing advised to go beyond the scope of left for the test. this summary and make a close study of "The Psychology of Coaching", by Coleman R. Griffith. of the items listed below will go

Physical accuracy and control, far toward the prevention of overand good judgment, which are the quire some sacrifice of skill demost important features of fine velopment. Still, better results are performance, arise in the nervous usually obtained if desire and desystem. Staleness impairs one or termination are present than if demore of these features and conse- pendence is placed on skill without quently is more mental in character these attributes. than physical. Means for detection and prevention, then, must come from the science of psychology. At ule carefully in advance, and don't least two of the Laws of Learning permit the stress of the workout to have direct application on this sub- lead to drastic changes.

One of these is the Law of Effect, mages so that there is variation which states that the individual every fifteen or twenty minutes. tends to repeat and learn quickly Carry a watch and adhere strictly those activities which are interesting to the prearranged time schedule. and satisfying. Continued INTER-EST, then, is a most important | 3. Limit total concentrated praclearning factor. Knowing this, the tice time to approximately ONE wise coach designs practice sessions HOUR with some adaptations for which will please his players. En- individuals and for large squads thusiasm runs high in early season. with restricted facilities. but if practice drills become monotonous, too long, or too strenuous, it drops off quickly. Unless practices are changed, they become not only two exhausting sessions per week a waste of time, but the player ac- with two or three easier periods. tually will develop a dislike for the sport or for the coach.

a week are enough and only one of Complete absence of interest extremely easy to recognize, but the these should be exhausting. steps by which it has been lost are so small that they are not obvious. before a game, or at least permit Some of the first indications are, only a twenty or thirty-minute easy unusual quietness, which often ap- warm-up. proaches sullenness in practice; missing scheduled work-outs for Under such a schedule, the team repeated trivial reasons; crabbing be- probably will not reach a high peak tween teammates; repeated tardi- early in the season, but the coach ness; inability or refusal to con- will have the satisfaction of watchcentrate while the coach is making ing his squad reach a high level necessary explanations; and indif- and either maintain it or improve ferent or careless performance. as the weeks roll past.

Suggested Treatment

For Nose Bleeding

Place cold towels on the back of the neck, across the forehead and the bridge of the nose.

Roll up some cotton-and place in the mouth between the teeth and the upper lip.

Put some cotton on an applicator, saturate it with Nitrotan-insert worry-when the "heats on"! in the nostrils and hold against the bleeding area—if possible. If not Don't overlook the girls when possible, saturate cotton with Nitro- appointing assistants. Girls are here tan and plug both nostrils. Have to stay, it seems - and are really the patient breath through the capable persons.

If nose bleeding is chronic, have an examination by your team physi-

----- F-A

The use of gasoline to remove will indicate the state of their some serious fires and explosions, morale, and the wise coach pays even causing the death of athletes.

panies require a permit for storage of gasoline and if the cost were only two cents per \$100, this would amount to \$200 additional insurance cost on a \$100,000 building.

Would you want to assume the responsibility for fire or increased ference in cost between Tape Remover and gasoline?

---- F-A Appoint some managers and in- happens. struct them in their responsibilities. This will give you more time to



ONLY ONE KEYSTONE—

We of America are in the midst of the greatest revolution of our history. The Revolutionary War, the Civil War, - these were revolutions - turning points in our national life.

World War II has destroyed the normal existence of every family in our nation. Our boys are gone, our methods of transportation are unhinged, what we eat and the things we wear are rationed as necessities - every family and every individual is a part of the change.

There is one keystone - and only one, that may link us together. It is the American School System and its personnel!

Every school room should be a citadel - a place where courage, sanity and steadfastness-of-purpose are taught by example.

In times like these we are inclined toward hysteria. We have duties to perform, but we cannot concentrate on them. We try to fight the war with our boys when our obligations are to keep the home front on a steady keel - steady and ready for their

The steam of our revolution blows off in Washington. The check valve may be controlled in the school.

ramers

ATHE COMPANY

25 Years Old In Athletics

Printed Again By Request

"The Dream of a Character Builder" was written in 1938 by L. E. Perkins of our company. It was first introduced at the American equipment will be just half the Football Coaches Convention in Chicago that December. It was printed insurance rates for the small dif- in the January 1939 issue of "The First Aider".

> We received many requests for extra copies. We were also asked for permission to change the names to fit local teams for local banquets. We suggest you try fitting in the names of your squad—and see what Fight The Flu

The Dream of a Character Builder

The day was hot, my boys were stale, Their suits hung on them like coats of mail. We'd dropped the last four games we'd played

In spite of well laid plans we'd made.

I tried every play—then ordered the shower, My patience was gone and I'd turned sour. _I sat there a while, like a great big sap

I sat down for a minute before going to work

Sore as a boil—then I picked up my cap. But when I reached the cool field house They were all gone—'twas as still as a mouse.

When a tap on the shoulder brought me up with a jerk. A man of distinction was there by my side He must have slipped in through the door that stood wide Says he, "You're just the fellow that I want to see

"To make you an offer—so here I go— "You can have anything—just don't say No! "A contract for ten years is ready to sign

"We're after a coach—they've selected me

"Just tell us what salary to place on the line. "We'll get you assistants—Frank Thomas and Kern "Lou Little, Carl Snavely—we have money to burn. "If you want Bernie Bierman to coach on the line

"Or maybe Fritz Crisler—that suits us just fine.

"Andy Kerr or Dorias in the backfield would do "And maybe Gill Dobie and Stub Allison, too. "For end coach, get Dick Harlow of Harvard to come

"With Faurot of Missouri-they'd sure make things hum.

"To work out plays—there's Bergman and Blaik "Fred Thomsen and Jennings and V. Green of Drake. "Of course, our scouts will be in the press box

"Business managers? Oh, sure-we should have four, "Matty Bell, Irl Tubbs, Bunny Oakes and Moore. "Clark Shaughnessy—a good publicity man "Will keep us in the 'bright lights' if anyone can.

"Harmeson, Josh Cody, Bachman and Cox.

"Ducky Pond and Dick Romney could take care of travel "There's nothing too hard for them to unravel. "You could have Harry Stuhldreher be water boy "With Biff Jones to help him—a real McCoy.

"The stretcher bearers could be headed by Fry "With Mal Stevens and Layden standing by. "If more were needed—there's Sutherland and Shaw "A swell pair of beauties as ever I saw.

"With Bible and Madigan carrying head-gear "Pop Warner with towels-and far in the rear "Bob Zuppke will lead in the mascot with care "My word, what a wonderful crowd will be there.

"You'll have plenty of help—we'll take care of that." He put his hand on my head and gave me a pat.

But while it lasted—it sure was a "WOW."

I opened my eyes—the man had fled The janitor's broom had hit my head. I'd had a dream—I know it now

Training In

Basketball

From a training angle, basketball presents possibly four major problems. They are:

1. How to dry damp supporters,

socks, and suits.

2. Shower temperature. 3. Protection of players in cold

weather.

4. Preservation of on hand equip-

(1). The drying of damp equipment is imperative from a health

angle. Dampness promotes the growth of mold. Mold will hasten the destruction of the fabric. This problem is one which must

be answered by each coach. Damp-

ness, the amount of available space,

heat and ventilation, these must all be considered in arriving at a satisfactory answer. (2). There isn't a great deal to

be said about shower temperatures except that they must be kept down. The shower should be more of a rinse than a bath—where it is used daily.

(3). There is a lot to be said about player protection in cold weather, because playing form without health is of little value.

Protection of the head and neck from cold winds. Sudden cooling of the body. Shoes allowed to become damp and cold. The answer is obvious, and again it is a problem for each coach to handle individually.

We still think properly worded talks with your players will go a long way toward answering these

(4). Preservation of your basketball, your basketball shoes, and other equipment is imperative if you expect to continue play and help the war effort.

Keep the suits clean. Keep the basketballs cleaned and waxed with "Cramer's Liquid Ball Cleaner".

to dry. Sweat shirts and socks 4. Get lots of sleep. should be laundered often.

5. Keep feet warm and dry. Follow these suggestions, and the care of your basketball squad and 6. Take some exercise - outdoors -

every day.

7. Ventilate sleeping rooms, but avoid drafts.

8. Avoid crowds, wherever possible.

---- F-A

Start your order with a bottle of NITROTAN. 2. Don't over eat. Eat lots of green

> Take care of your team if you want them to take care of you!

OBSTACLE COURSE—

problem it might have been.

— F-A —

1. Drink plenty of water and fruit

3. Have proper elimination.

juices.

vegetables.

(Continued from columns 1 and 2, page 1)

Additional Suggestions

It is a good policy to make short breaks and clear the obstacle course of contestants occassionally. This may take 3 to 7 minutes, depending upon the length of the obstacle course. It will permit a quick checkup between the two recorders on the finish line and the recorder at the start.

By using letters of the alphabet in connection with the numbers, it is easy to separate groups, such as battalions or classes.

It is important that the timer and his assisting recorder be the coolheaded type. Contestants may bunch up at the finish, and if the officials freeze mentally, it is easy to make a mess of it.

Contestants can figure out their own running time, if they know their starting time, and listen for their finish time as, it is called out.

General Suggestions

During our twelve months of experience in planning, constructing and operating obstacle courses, we have learned several lessons that may be of value to others.

The complete standardization of obstacle courses is not advisable because local conditions must be considered. Streams, hills, trees, rocks and other natural obstacles should be used to advantage. However, experience has shown that certain obstacles should be eliminated, because of extreme hazards and little value in training and conditioning. Here are some points to keep in mind when determining the order of obstacles.

(1) The first 2 to 4 obstacles should be fairly easy, to avoid any bottlenecks.

(2) The last 2 or 3 obstacles should not be too difficult and should not be high-climbing obstacles, in order to avoid injuries and falls when contestants are fatigued.

(3) Obstacles should vary somewhat as to group muscles used; that is, if one obstacle is a climbing obstacle, where the use of the shoulder and the arms particularly come into play, the following obstacle should stress, primarily, the use of the legs. (4) The ideal distance between obstacles is from 20 to 30 yards.

Suggestions For Constructing Obstacle Courses

(1) The course should be wide enough and the obstacle so built as to allow from 6 to 8 boys to run at one time. This will permit keener competition.

(2) The lanes for the first 2 or 3 obstacles should be wider than those that follow, to permit 6 or 8 boys to run abreast. As the race continues, the contestants will tend to scatter along the course and there will be no further need for wide obstacles.

(3) The obstacles should be built firmly. Peeled logs 6 to 8 inches in diameter are ideal for many of the obstacles. Use of logs gives the course a naturally rustic appearance and will also reduce expense.

(4) Sharp points and corners should be eliminated. Landing places from jumps or vaults should have sand or sawdust, to prevent injuries.

(5) The course should be constructed and marked so that it will be impossible to sidestep or detour obstacles. Signs should be placed to clarify any doubtful route. (6) If possible, the start and the finish of the course should

be so planned, to allow one official to control both start and finish. A horseshoe-shaped course or one shaped in a figure 8 will definitely permit this.

(7) If some of the obstacles prove too difficult for the contestants, an alternate course around the obstacles should be constructed; this alternate course should take more time to cover than the time required for going over the obstacles.

Suggestions For Order Of Obstacles

(1) Hurdle (2½ feet).

(2) Fence vault (4½ feet).

(3) Log balance run.

(4) Wall climb (7 to 8 feet). (5) Dodge run.

(6) Bear trap.

(7) Under-cover run with deep sand as base. (4 feet high, 60 feet long).

(8) Hand over hand walk (9 feet high, 15 to 20 feet long).

(9) Under, over, under.

(10 Jungle maze.

(11) High knee-action run. (12) Rope swings.

(13) Tunnels (2½ feet high).

(14) Fence climb (14 feet to 18 feet).

(15) Straddle run.

(16) Monkey climb. (Horizontal rope stretched across a sand pit 20 feet long and 7 feet high. Hands and feet used in hanging position - upside down).

(17) A checkerboard run.

(18) Under, over, under.

(19) Hurdle.

Another good obstacle is the cargo net climb, about 18 feet high. The nets may be difficcult to obtain at this time.

The age of the contestants must be considered in building the obstacle course. If the course is built for boys of junior high school age, naturally, the course should be much shorter and some obstacles lower. The length of the run assigned, of necessity, must depend upon the condition and age of the contest-

A Few Additional Points

(1) After running the course, the contestant should walk around until fairly rested.

(2) No drinking of water should be permitted until contestants are well rested.

(3) Contestants who have difficulty in certain obstacles should have special instruction on the proper way to negotiate these obstacles.

FODT BA METHOD of ATHLETE'S FOOT Prevention and Treatment 1. Dry Feet Before Using Foot Bath 2. Work Powder Between Toes and Over The Feet 3. Carry Adhering Powder Into Shoes (And Not On The Floor) A Sigh Of Relief With Every Dunk! 4. USE BEFORE WORK-OUT AND AFTER WORK-OUT To Give Lasting Protection,

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This card—actual size 14 in. by 11 in.—will now be included in each 10 pound and 25 pound bulk package of Cramer's Foot & Body

This card should be placed on the wall near

the powder box—where your players can easily

Powder.

the adhering powder into the shoe-and not onto the floor. Instruct your players to pick up a small amount of powder when they are standing in the foot-bath and place some in the crotch, under the arms or on any place where the skin is irritated and has been rubbed.

Dry Shoes, Reduce Foot Odors

read the instructions. Insist that they carry NOTICE: Cramer's Foot & Body Powder will not serve as an adequate or competent treatment for deep-seated cases of Athlete's Foot or Jock Strap itch where there is much dead tissue. We know nothing that may be safely used to penetrate this "shell" and kill the underlying fungi. The "Shell" must be removed or keratolyzed be fore a product of any kind can do its work effi-

ciently. The term "Lasting Protection" in the card above means from day to day protection and implies the daily use of the Powder Foot-Bath by the athlete.

Supporters should be washed in warm soap suds, rinsed in clear water and laid out, not hung out,