

July 6, 1938.

Mr. H. V. Porter,  
11 So. LaSalle St.,  
Chicago, Illinois.

Dear Mr. Porter:

I would like for you to express to me your ideas on cutting down the size of the backboards. I remember that you in particular have thought the backboard was too large, contending that much of the surface of the backboard, especially the corners, are not used for carom shots.

Why should we not do some research on that this year? If you will write me your impressions, together with any other discussions that you have heard upon it, we will get busy and get some opinions that might be helpful to us in making a determination.

Thanking you, I am

Sincerely yours,

Director of Physical Education,  
Varsity Basketball Coach.

FCA:H



February 8, 1938.

Mr. Valentine Lentz,  
Athletic Director,  
St. John's College,  
Annapolis, Md.

Dear Val:

We play our last game with the University of Missouri on March 3rd. After that it will take me some time to compile this data that I have and to get it in shape for a report. I am afraid I will have difficulty in getting it to you much before the convention, but I assure you that I will be happy to send it to you as soon as the work is completed.

There has been so much talk on the 12-foot basket in previous years that I have decided not to do more until someone else does something. I am not particularly interested in a 12-foot basket except to solve some of the problems that many of the coaches kick about but do so little work on. Somehow some of the people thought that a 12-foot basket was the only baby that I had in the nursery.

The work also on the 6-foot radius circle on all jump balls will not be ready until after the last game.

No, I have not done any dope on fatigue. I felt I would let some of the other boys work on that. I have always contended that there was a way to handle this rotation of the center jump just like we have a batting order in baseball, rather than to eliminate the jump. Running, jumping, leaping, vaulting, and climbing are the fundamental activities of man. So long as you have held balls and jump balls in basketball I see no reason why we should eliminate the jump.

If you take time out after each field goal or free throw and rotate the jump, then you would have all the good features of basketball and none of the bad. You would also give the spectators a mental breathing spell from one highlight play until the next.

All the coaches cry about the big "goon" under the basket, yet nobody does any work on the 12-foot basket, and none of them want to change because they are not progressive enough, or else not energetic enough to try out something that would correct it. What we need in our coaching organization is a few coaches who will actually do some research work and not just talk about it.

With every good wish, I am

Sincerely yours,

Director of Physical Education,  
Varsity Basketball Coach.



ST. JOHN'S COLLEGE

*Annapolis, Maryland*

January 31, 1938.

Mr. Forrest C. Allen  
Director of Physical Education  
University of Kansas  
Lawrence, Kansas.

Dear "Phog":

Thanks for your very kind letter of January 25th in which you stated the two things on which you are doing a bit of research. I would appreciate it very much if you would let me have the results at their completion, so that I may embody them in my annual report to our Association.

Have you done any work on the twelve foot basket ? If so, a report on that would be appreciated; also your conference report on the three 6-foot radius circles on all jump balls.

Have you any dope on fatigue ? This information might be particularly interesting in view of all the publicity in connection with the elimination of the center jump.

I am very sorry about not contacting you sooner and notifying you of your appointment to the research committee, I thought John Bunn had attended to that. Please except my apology. With kind personal regards and my very best wishes for your continued success, I am

Sincerely yours,



Valentine Lentz  
Athletic Director.

ml/vl.



ST. JOHN'S COLLEGE

*Annapolis, Maryland*

February 11, 1938.

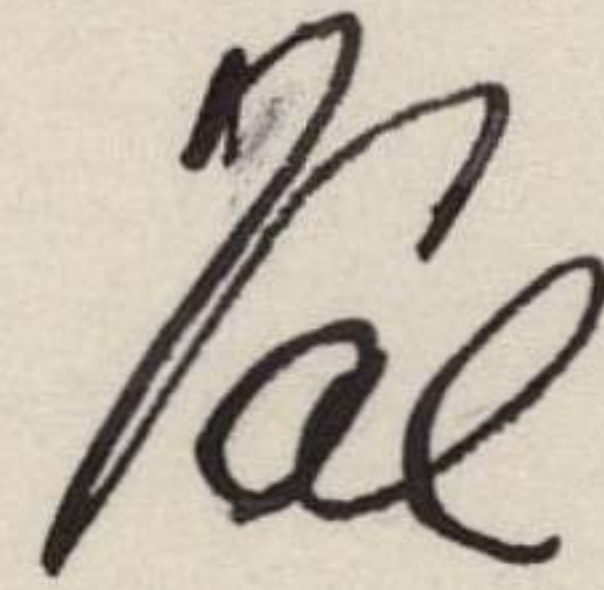
Mr. Forrest C. Allen  
Director of Physical Education  
University of Kansas  
Lawrence, Kansas.

Dear "Phog":

Thanks for your very kind letter of February 8, 1938 and I surely would appreciate your sending me a copy of your report as soon as you are able to get it into shape. Send it to me air-mail special delivery and I'll see that you are reimbursed for your trouble and out-lay.

With kind regards, I am

Sincerely yours,



Valentine Lentz  
Athletic Director

VL/m.



February 16, 1938

Mr. Val Lentz,  
St. John's College,  
Annapolis, Md.

Dear Val:

I am today in receipt of a letter from George Edwards asking that I prepare a five or ten minute report to be read at the time you submit your remarks.

As soon as I have this material ready I shall be glad to send you a copy.

Sincerely yours,

Director of Physical Education,  
Varsity Basketball Coach.



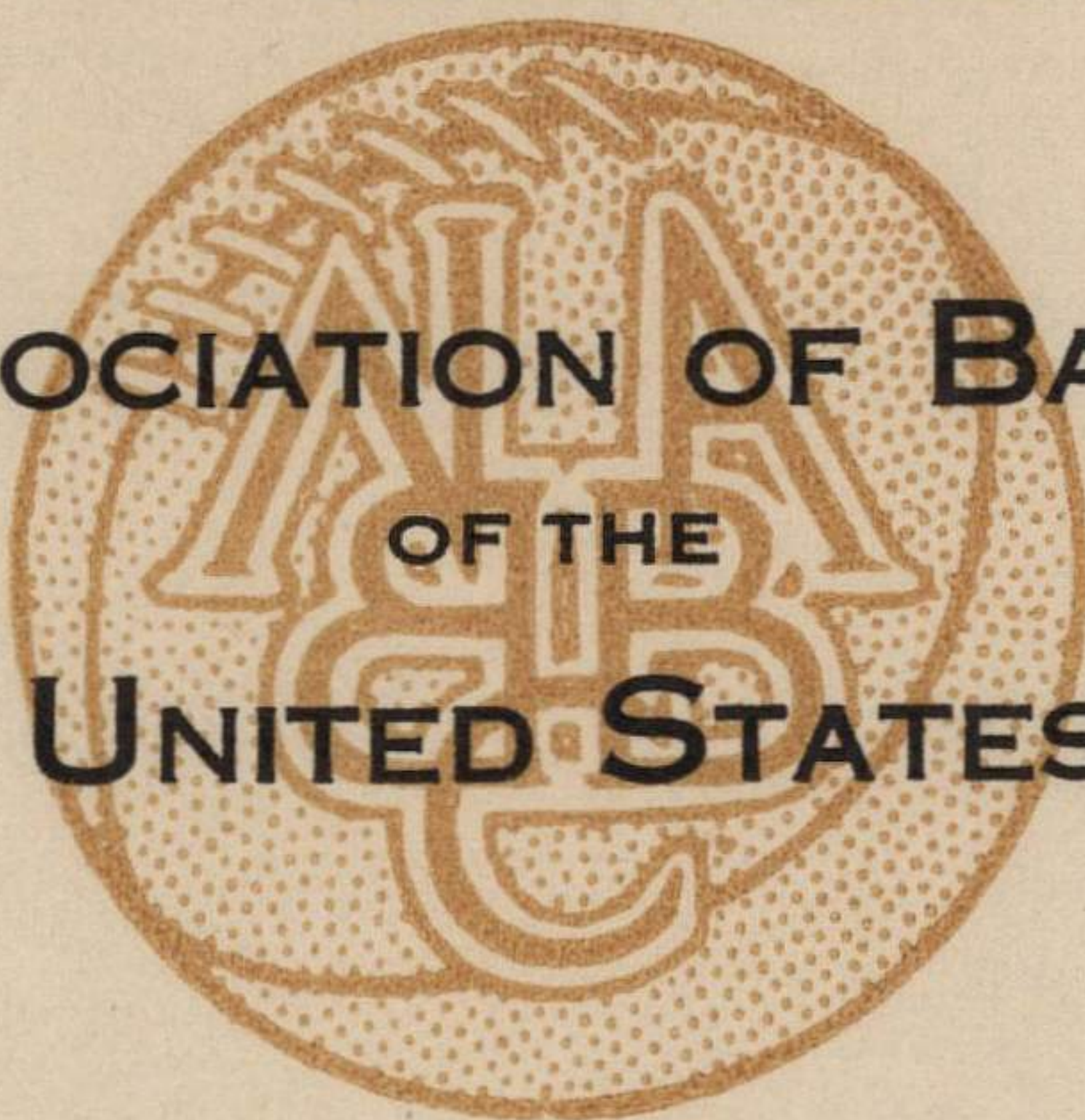
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# THE NATIONAL ASSOCIATION OF BASKETBALL COACHES

OF THE  
UNITED STATES



J. W. BUNN, STANFORD UNIVERSITY  
STANFORD UNIVERSITY, CALIFORNIA  
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Dr. F. C. Allen,  
Coach of Basketball,  
University of Kansas,  
Lawrence, Kan.

Dear Dr. Allen:

Thanks for your reminder on jumping statistics.  
I had misplaced it.

A record keeper has been assigned to the rest  
of our games and the results will be sent you right  
after each contest.

This might make a little item for our Bulletin.  
I am writing a little announcement of the fact that we  
are jumping in the circles, and that the results of your  
study will be available at the close of the season.

Yours truly,

*George*

Next Convention: Chicago, Ill., Monday and Tuesday, April 4 and 5, 1938



January 25, 1938.

Mr. Valentine Lentz, Chairman,  
Research Committee,  
National Association of Basketball Coaches,  
St. Johns College,  
Annapolis, Md.

Dear Val:

I have two things that I have been working on regarding research. One is a proficiency chart for the basketball player giving merits and demerits on a percentage proposition for the efficient player. It will be necessary for me to use the season's play to determine the workability of this proposition.

The other is a matter of timing the out of bounds balls after a field goal or a free throw, first in passing them in and then bringing them across the division line. This is to determine how rapid the break is across the line. I thought it might be possible that some teams would begin the slow break, passing the ball across the end line leisurely and then using most of the time in getting across the division line.

So far, none of the teams have been using this sort of strategy, but I look for it soon. Our conference is using the three 6-foot radius circles for all held balls. We are trying to see what effect this will have on the play; also the number of goals scored after jump balls in these circles.

I am using this as a conference project, so of course I cannot tell what we will have until after our conference season ends, about the 3rd of March.

Coach Johnny Bunn wrote me last summer some time that I had been appointed to the research committee, but that I would hear from you. Your letter as of January 21 is the first official notification that I have had from the chairman of the research committee. If there is any specific information that I can give you that you may desire, please command me.

Sincerely yours,

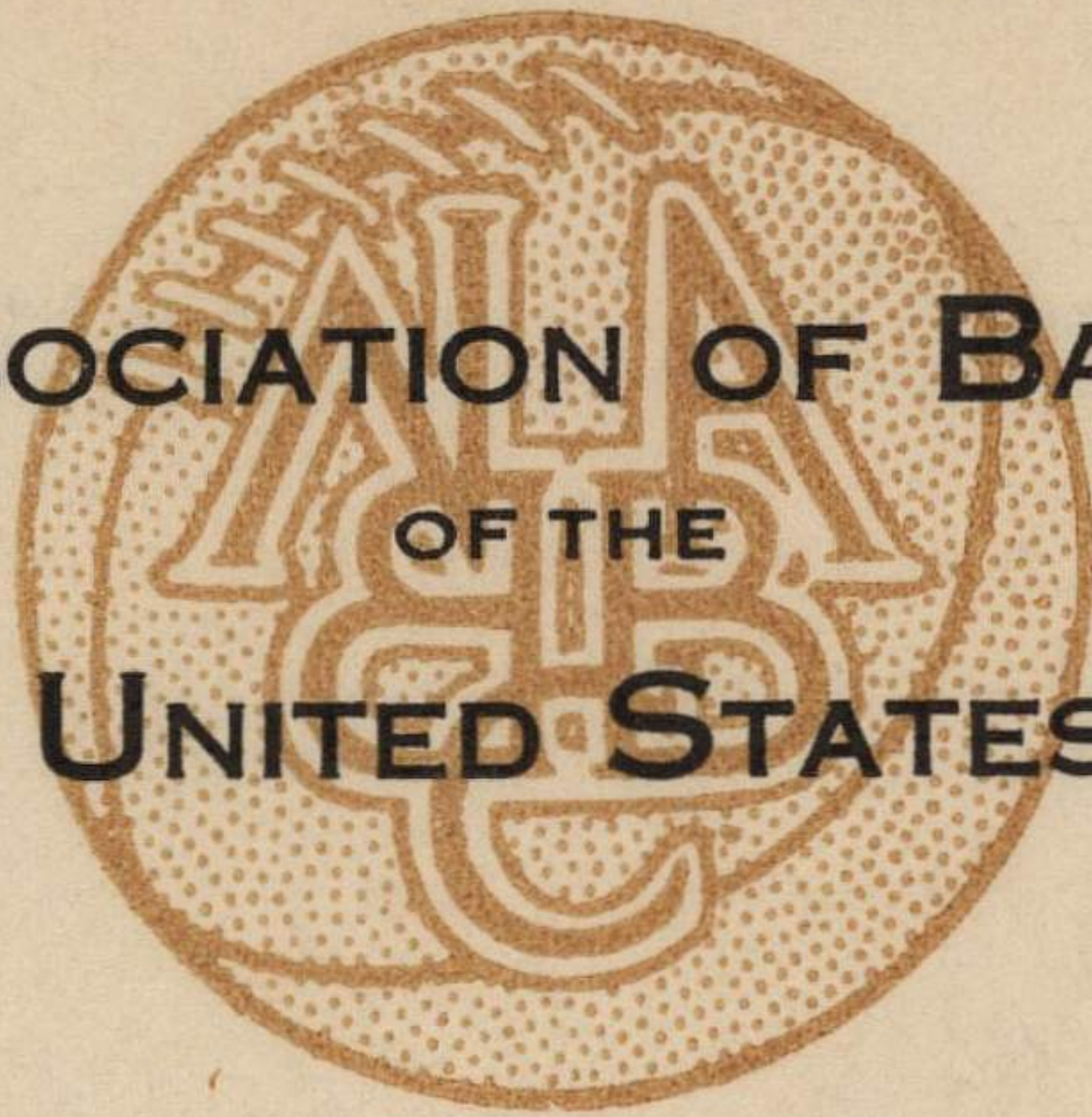
Director of Physical Education,  
Varsity Basketball Coach.

FCA:AH



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Dr. Phog Allen  
Basketball Coach  
University of Kansas  
Lawrence, Kansas.

Dear Doc:

I am beginning to get together the necessary material of interest for my report as your chairman of the Research Committee. Therefore, I am appealing to you as a member of this committee, for any suggestions, any material of interest to you, your section of the country and to this great game of ours.

Let me have whatever dope you have and also the names of those you know that are doing a bite of experimentation.

Thanking you for your kind co-operation and with kind personal regards, I am

Sincerely yours,

Valentine Lentz  
Chairman  
Research Committee.

Next Convention: Chicago, Ill., Monday and Tuesday, April 4 and 5, 1938



July 2, 1938.

Mr. Elmer Schenke,  
Director of Athletics,  
Bethany College,  
Lindsborg, Kansas.

Dear Elmer:

I am enclosing a copy of the report on Researches  
in Basketball. I thought you might be particularly  
interested in the evaluation chart which we have worked  
out here for a rating of our basketball players.

Very sincerely yours,

Director of Physical Education,  
Varsity Basketball Coach.



July 2, 1938.

Mr. Max Brand,  
Anico Coach,  
Anico Building,  
Galveston, Texas.

Dear Coach Brand:

Thanks for your kind letter of June 28th. It was a pleasure to hear from you.

I am enclosing a copy of a report on Researches in Basketball. I thought you might be particularly interested in the evaluation chart which we have worked out here at the University of Kansas for rating our players.

With best wishes for a pleasant summer, I am

Sincerely yours,

Director of Physical Education,  
Varsity Basketball Coach.



# ANICOS—National A. A. U. Champions

SPONSORED BY AMERICAN NATIONAL INSURANCE COMPANY, GALVESTON, TEXAS

## 1937-38 Team

Nora Cain  
Lillian Justice  
Ruth Dean  
Frances Williams  
Coral Worley  
Lottie Jackson  
Brownie Barnes  
Glennis Birket  
Helen Cathcart  
Ottilie Ponkoney  
Pat Patterson  
Hallie Fern Hunt  
Merle Luper  
Melvina Hunter  
Irma Stricklen

June 28, 1938

ANICO BUILDING  
GALVESTON, TEXAS

● MAX BRAND, Coach

Mr Forest C. Allen  
Director of Physical Ed.  
Lawrence, Kansas

Dear Mr Allen:

Received your kind letter upon my return and want to thank you so much.

I cannot begin to tell you how I benefited by your school of Coaching.

I admire you very much as an instructor and gentleman and am proud to be your friend.

Sincerely yours,

Max Brand  
Anico Coach.

Eval. Chart



May 2, 1938.

Mr. Eugene McKenzie,  
29 Race Street,  
Athens, Ohio.

Dear Mr. McKenzie:

I am happy to send you two copies of  
the basketball evaluation chart which we have worked out  
here and used this past season. I trust the chart may  
be of some interest to you.

Sincerely yours,

Director of Physical Education,  
Varsity Basketball Coach.



29 Race Street  
Athens, Ohio  
April 30, 1938

Mr. ForestmC. Allen  
University of Kansas  
Lawrence, Kansas

Dear Mr. Allen:

Mr. B. T. Grover has told us of  
your batting chart of basketball. He thought  
that you would be glad to send us one upon request.

you  
If possible, would please send two copies.  
Thanking you for your kindness.

Yours truly,

Eugene McKenzie

*Eugene McKenzie*  
Arthur Raymond Oliver

*Ray Oliver*

Enc. 1



May 18, 1938.

Mr. Paul De Tuerk,  
11 Palmer Street,  
Athens, Ohio.

Dear Mr. De Tuerk:

I am very happy to enclose some data on our basketball evaluation chart which you requested in your letter of May 14. I trust that it will prove to be of some value and interest to you in your basketball course.

Sincerely yours,

Director of Physical Education,  
Varsity Basketball Coach.



11 Palmer Street  
Athens, Ohio  
May 14, 1938

Dear Sir:

Would you please send me one of your "batting per cent basketball charts". Mr. Grover of Ohio, University recommended your chart and I would like very much to have one for my personal use.

Very Truly Yours  
Paul D. Turk



May 18, 1938.

Mr. Wayne Gander,  
8 South Congress St.,  
Athens, Ohio.

Dear Mr. Gander:

I am very happy to enclose some data on  
our basketball evaluation chart which you requested.  
I trust that it will prove to be of some value and  
interest to you in your basketball course.

Sincerely yours,

Director of Physical Education,  
Varsity Basketball Coach.



8 S. Congress St.  
Athens, Ohio

Mr. Forrest Allen  
University of Kansas

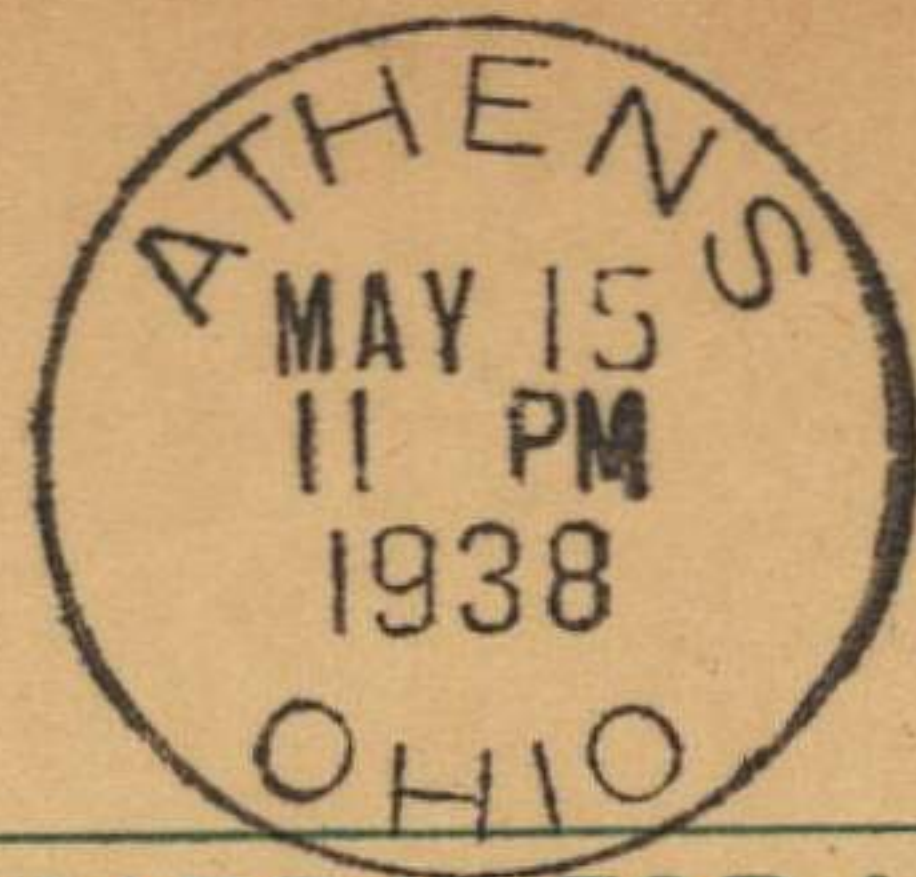
Dear Mr. Allen:

Will you please send me your pamphlet  
"Batting Percentage in Basketball."

I was asked to write to you for the in-  
formation, by Mr. Brandon Grover, my coach.

Very truly yours,  
Wayne Gander





THIS SIDE OF CARD IS FOR ADDRESS

Mr. Forrest C. Allen

University of Kansas

Lawerence, Kansas



May 16, 1938.

Mr. Joe Bell,  
5 West Mulberry Street,  
Athens, Ohio.

Dear Mr. Bell:

I am very glad to send you some data  
on our basketball evaluation chart, which you requested  
in your letter of May 12. I trust it will be of some  
interest and value to you in your course in basketball.

Sincerely yours,

Director of Physical Education,  
Varsity Basketball Coach.



JOE BELL  
5 WEST MULBERRY STREET  
ATHENS, OHIO

May 12, 1938

Mr. Forest C. Allen  
University of Kansas  
Lawrence, Kansas

Dear Mr. Allen,

I am taking a course at Ohio University in Coaching of Basketball. Mr. B. T. Grover our instructor told us about your batting chart in basketball. He suggested that some of us write to you for a copy of it. I would appreciate it very much if you would send me one.

Sincerely yours,

Mr. Joe Bell



*Head both papers up with  
the personnel as shown here*

RESEARCHES IN BASKETBALL

Department of Physical Education, University of Kansas  
Lawrence, Kansas

Forrest C. Allen, Director of Physical Education  
and Head Basketball Coach  
E. R. Elbel, Assistant Professor of Physical Education  
V. W. Lapp, Assistant Professor of Physical Education

7 The material presented in the following pages represents a partial summary of material gathered during the 1937-38 basketball season. Data were collected from nine college games on the home court and from coaches of the Big Six conference who in a pre-season committee meeting agreed to gather and send in certain facts from all their conference contests.

A paper will be written at a later date which will present the researches in detail. Due to the recent close of the season it has been impossible to verify and analyze our complete data.



Researches in Basket Ball  
Dept of <sup>Physical</sup> Education Personnel  
Tap heading ok.

①

## Kansas Offenses Evaluation Chart.

For years the generally accepted method of evaluating a basket ball team has been on the number of scores that were made by the team <sup>or by an individual.</sup> This evaluation chart was not meant to detract from winning basket ball games, indeed, the motivating influence back of the chart was to improve the ~~unit~~ <sup>unit</sup> basket ball, the player.

Many things occur in a basket ball game that the average player, during the heat of the game, may not recall - unless his plays are charted and evaluated. The chart was an attempt to evaluate and put into figures a player's evaluation, similar to the batter's average in baseball.



Page X

~~Eight~~ sheet

\*

Data were collected from 9 home games by a group of trained assistants. During the first six games material was taken only on the home teams. For the last three conference games statistics were collected on both teams, thus making several interesting comparisons possible. The data used in the evaluation of the teams are shown on the summary table. This material is being made available for the coaches meeting and a more formal write-up will be presented at a later date with additional material.



With that idea in mind <sup>(2)</sup> a list of offensive activities ~~was~~ made and each activity or play was weighed subjectively. The weight of the item was given due consideration concerning its importance in so far as it contributed to <sup>the execution of</sup> sound fundamentals and <sup>to</sup> winning success. Of course, the objective was the <sup>successful</sup> scoring of field goals or free throws by the player.

The material presented in the following pages represents a partial summary of material gathered during the 1937-38 home season at the University of Kansas. ~~the~~ <sup>the</sup> nine games were played. Eight experienced checkers were used on all games.

Page 1

A paper will be written at a later date which will present the researches in detail. Due to the recent close of the season it has been impossible to verify and analyze our complete data. For the purpose of illustration, showing the schematic evaluation chart with team and individual batting averages the Nebraska-Kansas game is shown on Table 1.



## KANSAS OFFENSIVE EVALUATION CHART

For years the main method of evaluating a basketball team has been on the number of scores that were made by the team. This evaluation chart was not meant to detract from winning basketball games. The motivating influence back of the chart was to improve the unit in basketball, the player. However, many things occur in a basketball game that the average spectator, and even many coaches, miss. The chart was an attempt to evaluate and put into figures a team evaluation similar to the box score used in baseball. With that idea in mind a list of offensive activities was made and each activity was weighed subjectively. The weight of the item was given due to its importance in contributing to the <sup>scoring</sup> making of scores. ?

### List of Items

#### A. Positive items

#### Weight in evaluation points

1. Field goals	10
2. Free throws	5
3. Immediate assists	4
4. Secondary assists	3
5. Recovers ball off opponents backboard	2
6. Recovers ball off own backboard	2
7. Taps and recovers own jump ball	2
8. Recovers teammate's jump ball	1
9. Makes a good pass to a teammate	1
10. Catches a teammate's pass	1

#### B. Negative items

1. Error of omission	1
2. Held ball obtained by an opponent	1
3. Fumbles ball and it goes out of bounds	2
4. Fumbles ball and it is obtained by opponent	2
5. Taps ball out of bounds	2
6. Wild pass out of bounds	3
7. Wild pass to an opponent	4
8. Violation of rules	5
9. Personal offensive foul	8

In the use of the evaluation chart, the algebraic sum of the positive and negative points is used. This sum for each game represents the total effectiveness of the team.



## SUMMARY

### Nine Game Totals

1. Score: 384 points
2. Goals: 554 shots; 150 goals; average % 27.1
3. Free throws: 144 free throws; made 84; average % 58.3
4. Offensive personal fouls : 7 personal fouls while the player had the ball.
5. Personal fouls: 92
6. Violation: 33
7. Rebounds: 201 rebounds recovered off opponent's backboard
8. Rebounds: 191 rebounds recovered off own backboard
9. Passes and good catches: 3232 passes; 3105 good catches .
10. Wild passes: 68; 24 out of bounds and 44 to an opponent
11. Fumbles: 55; 28 out of bounds and 27 to an opponent
12. Held balls: 28 held balls obtained by opponents
13. Tapped ball: 12 times tapped ball out of bounds
14. Jump ball: 2 times tapped and recovered own ball
15. Jump ball: 97 times recovered ball from teammate's jump ball
16. Assists: 216; 117 immediate assists and 99 secondary assists
17. Evaluation points: 9821-659 = 9162 evaluation points
18. Evaluation points per minute of play: 5.09 points
19. Evaluation points per score: 23.9 points