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DESIGN — SUPERVISION — CONSULTATION

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RECREATION FACILITIES:

FIELDS, COURTS, POOLS, TRACKS, RINKS, STANDS, PLAYGROUNDS, GYMNASIA

FIELD HOUSES, STADIA, INDOOR TENNIS COURTS

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AIRPORTS

March 28, 1940

Dear Dr. Allen:

It occurs to me that you may be interested in knowing the ideal orientation for outdoor tennis courts in your location, for the various popular playing hours during the year. This information may be useful to you not only in determining for what period or periods of play your existing courts may be best suited by their orientation, but also in determining how best to orient any new courts which may be added to your recreation equipment in the future.

The various ideal orientations for the usual hours of play for

your location in Lawrence are:

Summer Afternoons: N 70° E

Winter Afternoons: N — E

Summer Mornings: N 48° W

Winter Mornings: N — W

Each of these represents the ideal bearing of the net line of the court for the corresponding playing hours.

The figures written in above have been read directly from a pair of maps which have been recently completed in my office, showing the ideal orientation of outdoor tennis courts in the United States—for summer afternoons and summer mornings throughout the whole country, and for winter afternoons and winter mornings as well in the southern states and the west coast area. These maps have been devised by astronomical calculations in the same way as the football and baseball orientation maps published previously and reproduced in the booklet illustrating some of the work of my office on the design of facilities for recreation.

I hope to publish the tennis maps in a book which I am preparing on "Tennis Courts—Their Design, Construction and Maintenance", but this publication is still in the future, and meanwhile I hope you may be interested in the above information. If you know of anyone planning new tennis courts who might like to have similar information please let me know.

Faithfully yours,

Gavin Hadden

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