Title	Starting skill for competitive swimming and the priventive measures against the accidents
Sub Title	
Author	高嶺, 隆二(Takamine, Ryuji)
	吉田, 泰将(Yoshida, Yasumasa)
Publisher	慶應義塾大学体育研究所
Publication year	1993
Jtitle	体育研究所紀要 (Bulletin of the institute of physical education, Keio
	university). Vol.33, No.1 (1993. 12) ,p.35- 35
JaLC DOI	
Abstract	
Notes	Abstract
Genre	
URL	https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=AN00135710-00330001- 0035

慶應義塾大学学術情報リポジトリ(KOARA)に掲載されているコンテンツの著作権は、それぞれの著作者、学会または出版社/発行者に帰属し、その権利は著作権法によって 保護されています。引用にあたっては、著作権法を遵守してご利用ください。

The copyrights of content available on the KeiO Associated Repository of Academic resources (KOARA) belong to the respective authors, academic societies, or publishers/issuers, and these rights are protected by the Japanese Copyright Act. When quoting the content, please follow the Japanese copyright act.

Starting Skill for Competitive Swimming and the Priventive Measures Against the Accidents

By Ryuji Takamine* Yasumasa Yoshida**

The purpose of this study was to grope about coaching meathod for safety start in swimming. The start-form in recent year named "Pike-start" is too danger for the unskilled, because the angle of body to surface of water while diving into the water, is larger than the old form before.

I analyzed the starting-form of the top-swimmers in japan and junior high school students, and compared the two gropes.

The diving motion was recorded with VTR camera and the images of VTR (the body positions in the air, into the surface of water and under the water) were measured.

The angle of entering into water of top-swimmers were 49.2+6.2Å, studnts were 23.2+14.8Å. And yet, the depth of their going underwater was nearly point.

The form of top-swimmers were looked so danger, but they moved quickly on characteristic body-action before entering into the water and underwater. Their characteristic body-action was change quickly the body-position from bent-waist position to backward position.

Junior high-school students try to imitate the action of topswimmers, however, if they dive same angle, it was very danger because their diving skill (bodyaction) was incomplete.

Therfore, I thought that teachers never incoporate "Pike-start" in their lesson plan of swimming-class at school.

The important factor of diving start for safety is quckly body-action passing through the surface of water. The body-action is quick changing the body position from bent-waist foreward position to backward position.

- 35 -

^{*} Associate Professor of the Institute of Physical Education, Keio University.

^{**} Assistant of the Institute of Physical Education, Keio University.