

## Corrections to the paper "On the arithmetic normality of hyperplane sections of algebraic varieties"

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The following corrections should be made in my paper which appeared in Vol. XXIX, No. 2 (1955) of this Memoirs.

Page 160, line 1, instead " $\mathfrak{P} : (I) = \mathfrak{P}$ " read " $(\mathfrak{P} + I)$  is a prime ideal". Page 160, line 7, instead "local rings of  $V$ " read "local rings of a normal variety  $V$ ". Page 160, lines 31–32, instead " $h^1(o(n-1)) \leq h^1(o(n))$ " read " $h^1(\mathfrak{X}(C_{n-1})) \leq h^1(\mathfrak{X}(C_n))$ ". Page 160, line 32, instead " $h^1(o(n)) = 0$ " read " $h^1(\mathfrak{X}(C_n)) = 0$ ". Page 161, line 2, instead "for  $n \geq 1$ " read "for  $n \geq 0$ ". Page 161, line 2, take off "This proves the second assertion". Page 161, line 15, add the following "This proves the first assertion. Combining this with the results  $h^1(\mathfrak{X}(C_n)) = 0$  for  $n \geq 0$ , we get immediately  $h^1(o(n)) = 0$  for  $n \geq 0$ ".

We would like to add one remark here that a part of our Theorem 1 *can be* generalized in the following form.

*Theorem* Let  $V$  be a projective variety defined over  $k$ , and  $C$  a generic hyperplane section of  $V$  with reference to  $k$ . Then if  $C$  is arithmetically normal,  $V$  is necessarily arithmetically normal.

M. Nishi showed the proof of this Theorem.