$$
\begin{align*}
S_{n}(z ; f)= & S_{n}(z ; g)+\sum_{k=1}^{N} S_{n}\left(z ; g_{k} y_{m_{k}}\right)  \tag{25}\\
= & \frac{1}{2 \pi i} \int_{T_{R}} \frac{W_{n+1}(t)-W_{n+1}(z)}{W_{n+1}(t)} \frac{g(t)}{t-z} d t \\
& +\sum_{k=1}^{N} Y_{m_{k}}\left(\frac{W_{n+1}(t)-W_{n+1}(z)}{W_{n+1}(t)} g_{k}(t) ; a_{k}\right) .
\end{align*}
$$

By the method similar to the proof of Theorem 3, we have

$$
\begin{aligned}
& \left.n^{m_{k}}\left(\frac{\phi\left(a_{k}\right)}{w}\right)^{n+1} S_{n}\left(z ; g_{k} y_{m_{k}}\right)=n^{m_{k}}\left(\frac{\phi\left(a_{k}\right)}{w}\right)^{n+1} Y_{m_{k}}\left(\begin{array}{c}
W_{n+1}(t)-W_{n+1}(z) \\
W_{n+1}(t) \\
t-z
\end{array}\right) ; a_{k}\right) \\
& \sim n^{m_{k}} \phi^{n+1}\left(a_{k}\right) \frac{W_{n+1}(z)}{w^{n+1}} Y_{m_{k}}\left(\frac{1}{W_{n+1}(t)} \frac{g_{k}(t)}{t-z} ; a_{k}\right) \\
& \sim n^{m_{k}} \phi^{n+1}\left(a_{k}\right) \lambda(\phi(z)) Y_{m_{k}}\left(w^{-(n+1)} \begin{array}{c}
g_{k}(t) \\
\lambda(\phi(t))(t-z)
\end{array} ; a_{k}\right) \\
& \left.+n^{m_{k}} \phi^{n+1}\left(a_{k}\right) \lambda(\phi(z)) Y_{m_{k}}\left[w^{-(n+1)}\left(\frac{1}{\lambda(w)}-\frac{t^{n+1}}{W_{n+1}(t)}\right)\right)_{t-z}^{g_{k}(t)} ; a_{k}\right] \\
& \sim(-1)^{m_{k}}\left[\phi\left(a_{k}\right)\right]^{m_{k}} \lambda(\phi(z)) \underset{\lambda\left(\phi\left(a_{k}\right)\right)\left(a_{k}-z\right)}{g_{k}\left(a_{k}\right)}=B_{k} \neq 0,
\end{aligned}
$$

for $z$ exterior to $\Gamma_{R}$.
As a generalization of Theorem 4, a theorem follows by Lemma 3. That is,

Theorem 5. Let $D$ be a closed limited points set with the capacity $\Delta$ whose complement $K$ with respect to the extended plane is connected and regular in the sense that $K$ possesses a Green's function with pole at infinity. Let $w=\phi(z)$ map $K$ onto the region $|w|>1$ so that the points at infinity correspond to each other. Let $W_{n}(z)$ be the polynomials of respective degrees, $n$ which satisfy the condition (24) and $f(z)$ be a function such that represented by (23).

Then the sequence of polynomials $S_{n}(z ; f)$ of respective degrees $n$ found by interpolation to $f(z)$ in all the zeros of $W_{n+1}(z)$ diverges at every point exterior to $\Gamma_{k}$. Moreover, we have

$$
\begin{equation*}
\left.\varlimsup_{n \rightarrow \infty}\left|n^{\nu}\left(\frac{R}{\phi(z)}\right)^{n} S_{n}(z ; f)>0 ; \quad\right| \phi(z) \right\rvert\,>R>1 \tag{26}
\end{equation*}
$$

where $p$ is the minimum of real parts of $m_{k}$ in (23).
Additions and Corrections to Tetsujiro Kakehashi:
"The Divergence of Interpolations. I "
(Proc. Japan Acad., 30, No. 8, 741-745 (1954))
Page 742, equation (5), for " $\begin{gathered}1 \\ 2 \pi i\end{gathered}$ " read $" \frac{(-1)^{m}}{2 \pi i}$ ".
Page 744, line 4, for " $\lim _{n \rightarrow \infty} \begin{gathered}1.2 \cdots(n-1) \\ z(z+1) \cdots(z+n-1)\end{gathered}$,"

$$
\text { read " } \lim _{n \rightarrow \infty} \begin{gathered}
1.2 \cdots(n-1) \\
z(z+1) \cdots(z+n-1)
\end{gathered} n^{z "}
$$

